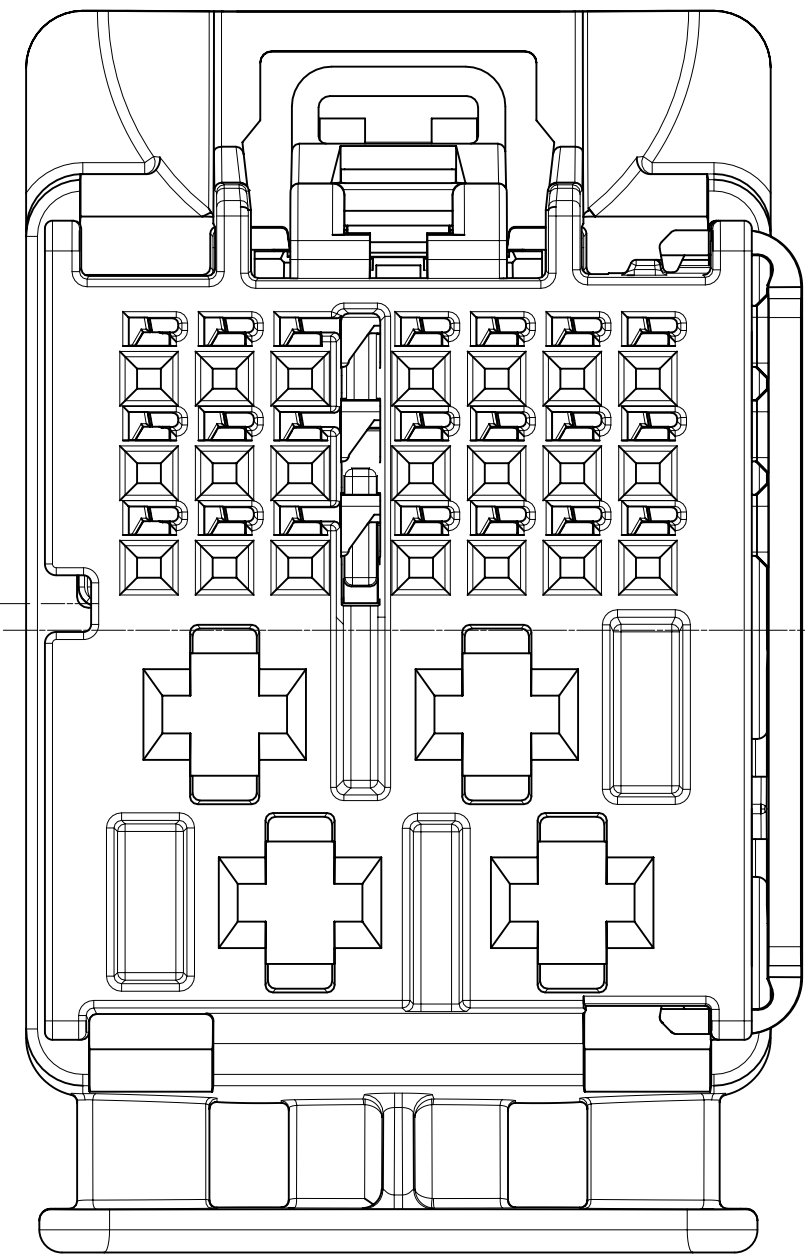
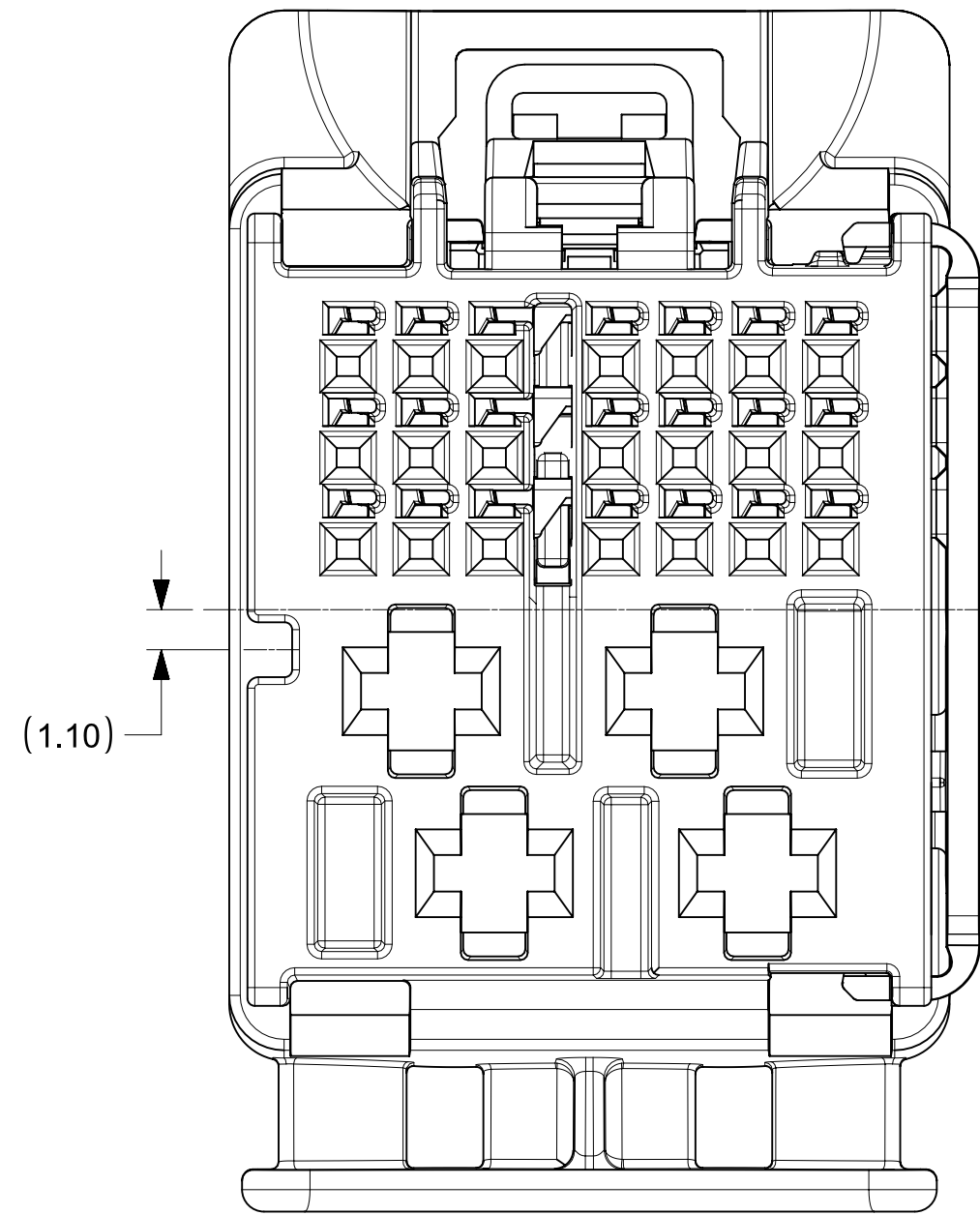


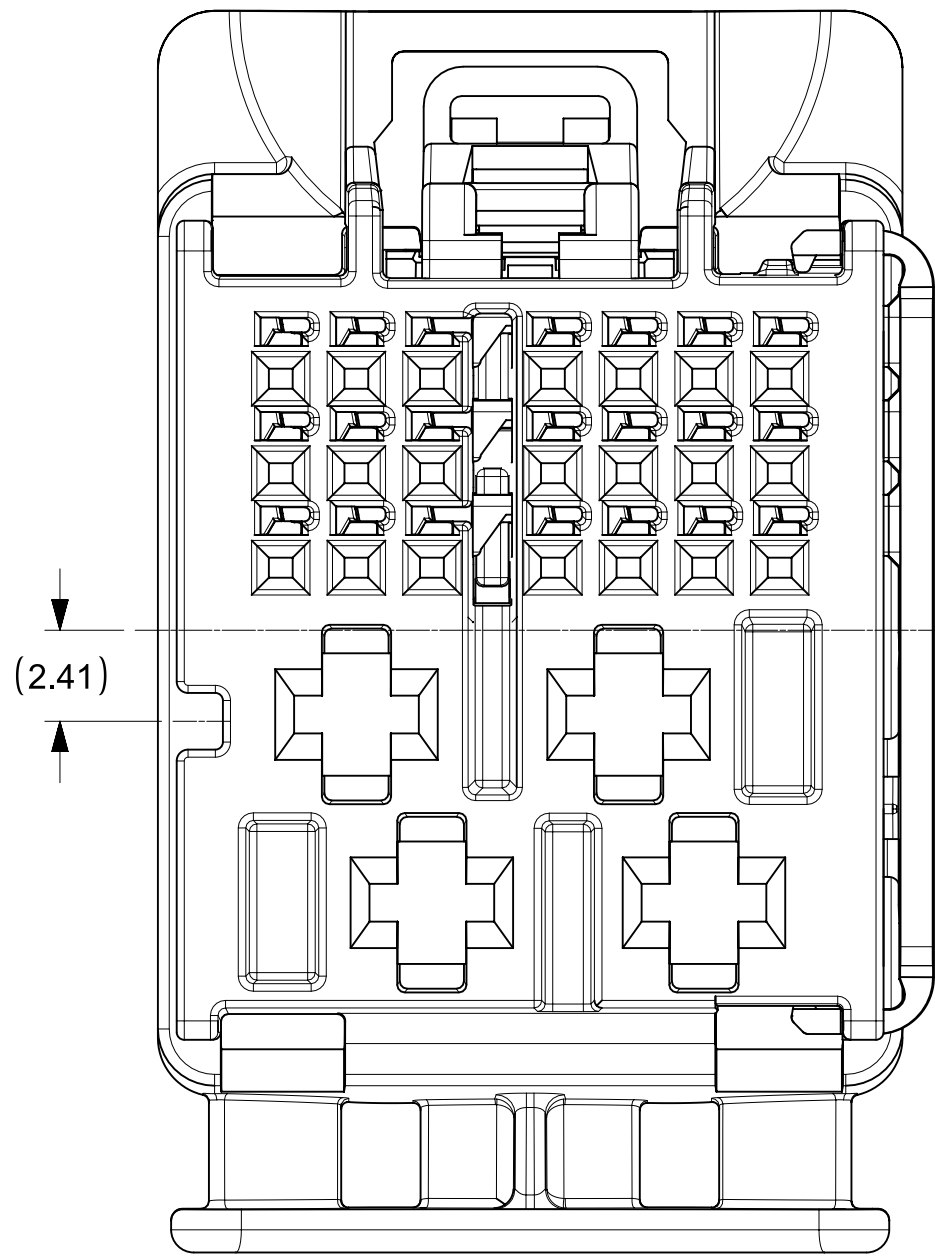


## 25 WAY CONNECTOR ASSEMBLY KEY 1 & KEY 5

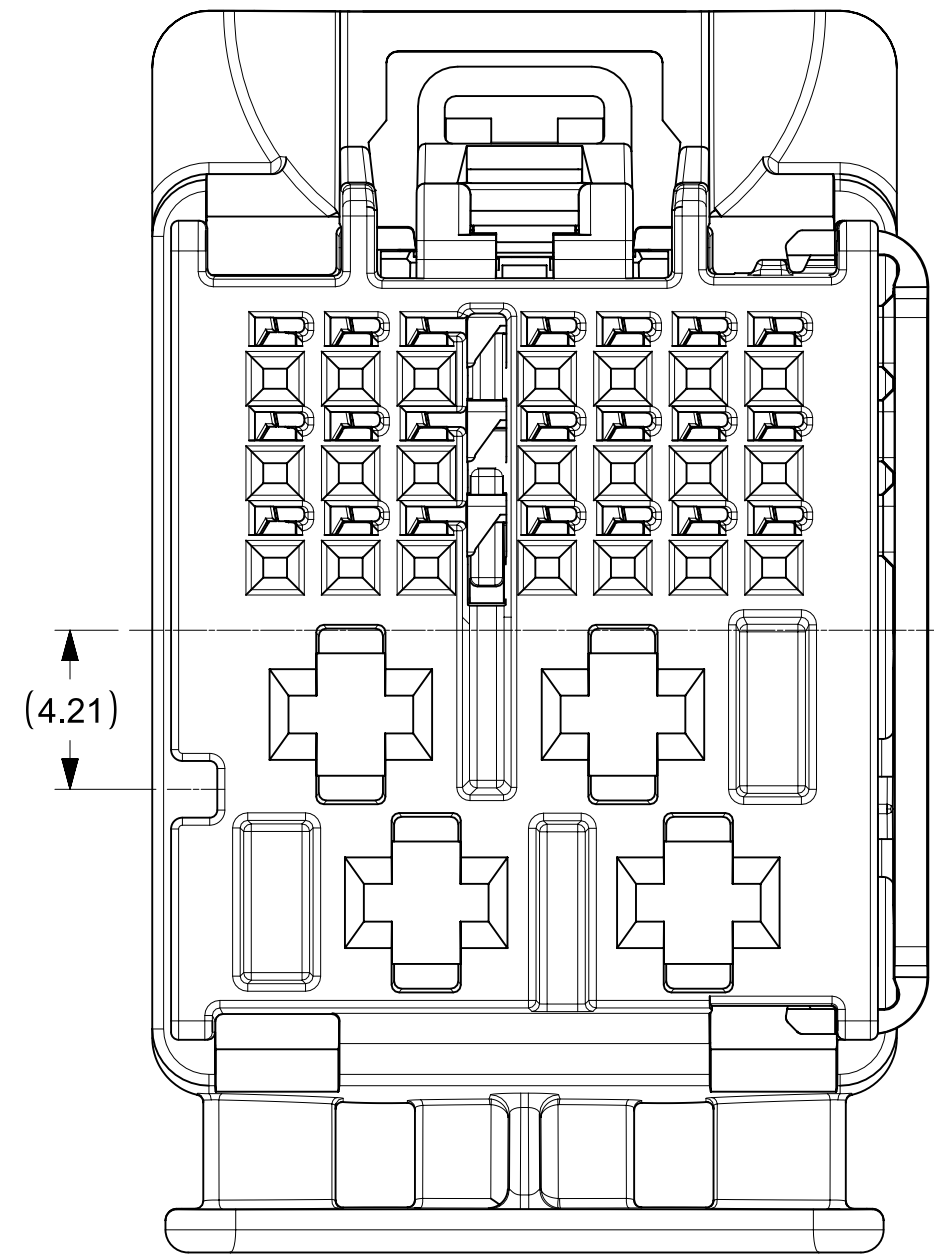
| PART NUMBER | PLATING     | SUPPLIER | WIRE GAGE<br>(mm2) | TERMINAL FAMILY                     | WIRE SPECIFICATION                                                              |
|-------------|-------------|----------|--------------------|-------------------------------------|---------------------------------------------------------------------------------|
| 200096-3101 | TIN PLATING | MOLEX    | 0.35               | TAK FAMILY (0.5 mm)                 | VW 60306 OR GMW 15626<br>(SEE APPLICATION<br>SPECIFICATION<br>FOR MORE DETAILS) |
| 200096-3201 | TIN PLATING | MOLEX    | 0.13               | TAK FAMILY (0.5 mm)                 |                                                                                 |
| 2272196-2   | TIN PLATING | TE       | 0.35               | Generation 50 Locking Lance (0.5mm) | SAE/ J1128<br>THIN WALL INSULATION                                              |
| 2272196-1   | TIN PLATING | TE       | 0.13               | Generation 50 Locking Lance (0.5mm) |                                                                                 |
| 1-968851-1  | TIN PLATING | TE       | 1.0 - 2.5          | AMP MCP 2.8                         |                                                                                 |
| 1-968849-1  | TIN PLATING | TE       | 0.5 - 1.0          | AMP MCP 2.8                         | GMW 15626<br>INSULATION TYPE<br>FLR<br>(REGULAR THIN WALL)                      |
| 15457849    | TIN PLATING | DELPHI   | 1.5 - 2.5          | CTS 2.8mm                           |                                                                                 |
| 15457848    | TIN PLATING | DELPHI   | 0.5 - 1.0          | CTS 2.8mm                           |                                                                                 |



## 25 WAY CONNECTOR ASSEMBLY KEY 2 & KEY 6



## 25 WAY CONNECTOR ASSEMBLY KEY 3 & KEY 7



## 25 WAY CONNECTOR ASSEMBLY KEY 4 & KEY 8

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-160014-001
- b. PRODUCT SPECIFICATION SEE: PS-160014-001
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31302-266
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

## 2. DESIGN - MATERIALS:

- a. SEE BOM TABLE

### 3. DESIGN - GEOMETRY:

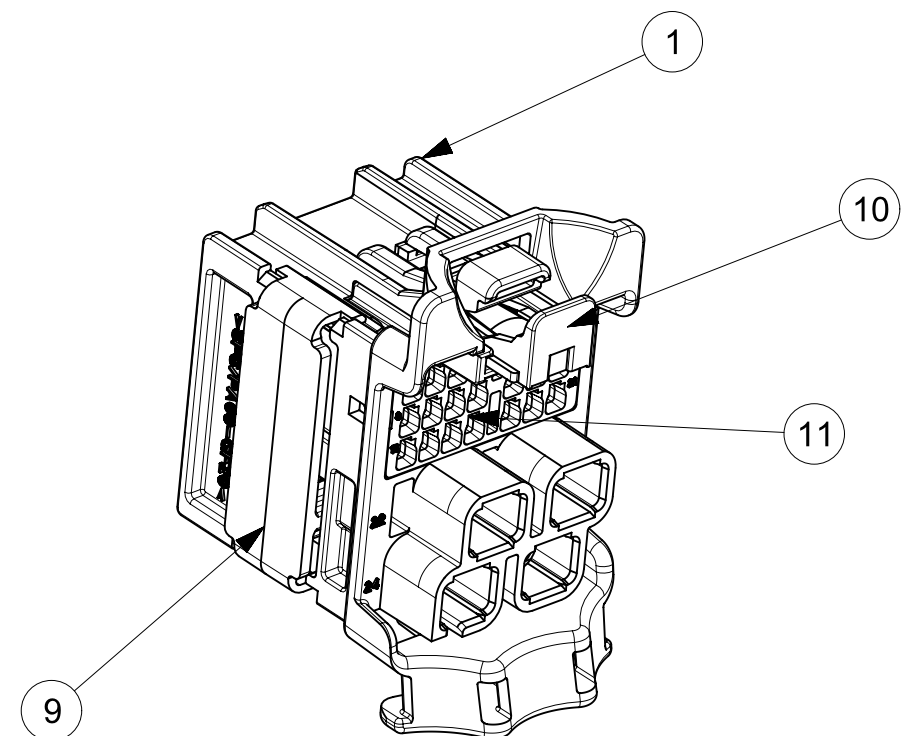
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
- d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- f. MARKED TEXT TO INCLUDE RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION AND CUSTOMER MATERIAL NUMBER.
  1. LASER ETCHED DATE CODE
    - 1ST THROUGH 2ND DIGIT = CALENDAR YEAR
    - 3RD THROUGH 5TH DIGIT = "DAY #" OF YEAR
    - 6TH THROUGH 7TH DIGIT = HOUR OF DAY
    - 8TH THROUGH 9TH DIGIT = MINUTE OF HOUR
    - 10TH THROUGH 11TH DIGIT = SECOND OF MINUTE
  2. LASER ETCHED ASSEMBLY LINE  
"X" DENOTES CAPACITY ASSEMBLY LINE SUCH AS "\_2" OR MORE IN FUTURE

#### 4. DESIGN - MANUFACTURING:

- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002  
(Class B)

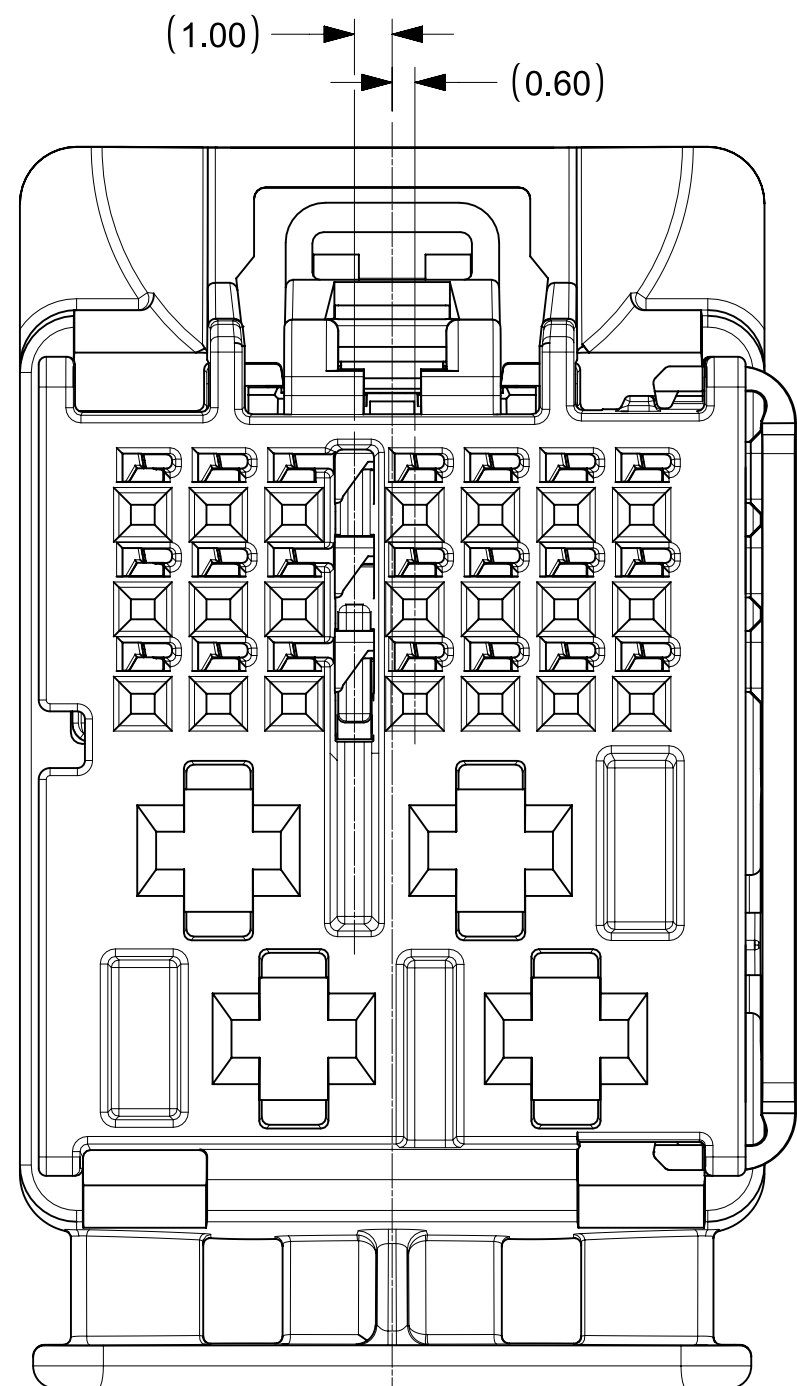
| MOLEX ASSEMBLY<br>PART NO.'S |       |
|------------------------------|-------|
| 1600270011                   | KEY 1 |
| 1600270012                   | KEY 2 |
| 1600270013                   | KEY 3 |
| 1600270014                   | KEY 4 |
| 1600270015                   | KEY 5 |
| 1600270016                   | KEY 6 |
| 1600270017                   | KEY 7 |
| 1600270018                   | KEY 8 |

| ITEM | DESCRIPTION          | COLOR         | RECYCLING CODE | WEIGHT (GRAMS) | RIB OPTION | NO OF ITEMS REQUIRED |   |   |   |   |   |   |   |   |  |
|------|----------------------|---------------|----------------|----------------|------------|----------------------|---|---|---|---|---|---|---|---|--|
| 1    | OUTER SHROUD - KEY 1 | LIGHT GREEN B | SPS/PA66-GF20  | 4.1            | A          | 1                    |   |   |   |   |   |   |   |   |  |
| 2    | OUTER SHROUD - KEY 2 | STONE GRAY    | SPS/PA66-GF20  | 4.1            | A          |                      | 1 |   |   |   |   |   |   |   |  |
| 3    | OUTER SHROUD - KEY 3 | BLACK         | SPS/PA66-GF20  | 4.1            | A          |                      |   | 1 |   |   |   |   |   |   |  |
| 4    | OUTER SHROUD - KEY 4 | DARK GRAY     | SPS/PA66-GF20  | 4.1            | A          |                      |   |   | 1 |   |   |   |   |   |  |
| 5    | OUTER SHROUD - KEY 5 | DK PURPLE A   | SPS/PA66-GF20  | 4.1            | B          |                      |   |   |   | 1 |   |   |   |   |  |
| 6    | OUTER SHROUD - KEY 6 | TBD           | SPS/PA66-GF20  | 4.1            | B          |                      |   |   |   |   |   | 1 |   |   |  |
| 7    | OUTER SHROUD - KEY 7 | TBD           | SPS/PA66-GF20  | 4.1            | B          |                      |   |   |   |   |   |   | 1 |   |  |
| 8    | OUTER SHROUD - KEY 8 | LT GRAY       | SPS/PA66-GF20  | 4.1            | B          |                      |   |   |   |   |   |   |   | 1 |  |
| 9    | ISL                  | NATURAL       | SPS-GF30       | 0.37           | N/A        | 1                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 10   | CPA                  | NATURAL       | PA66-GF50      | 0.08           | N/A        | 1                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 11   | INNER HOUSING        | STONE GRAY    | SPS/PA66-GF20  | 1.04           | N/A        | 1                    | 1 | 1 | 1 |   |   |   |   |   |  |
| 12   | INNER HOUSING        | STONE GRAY    | SPS/PA66-GF20  | 1.04           | N/A        |                      |   |   |   |   | 1 | 1 | 1 | 1 |  |

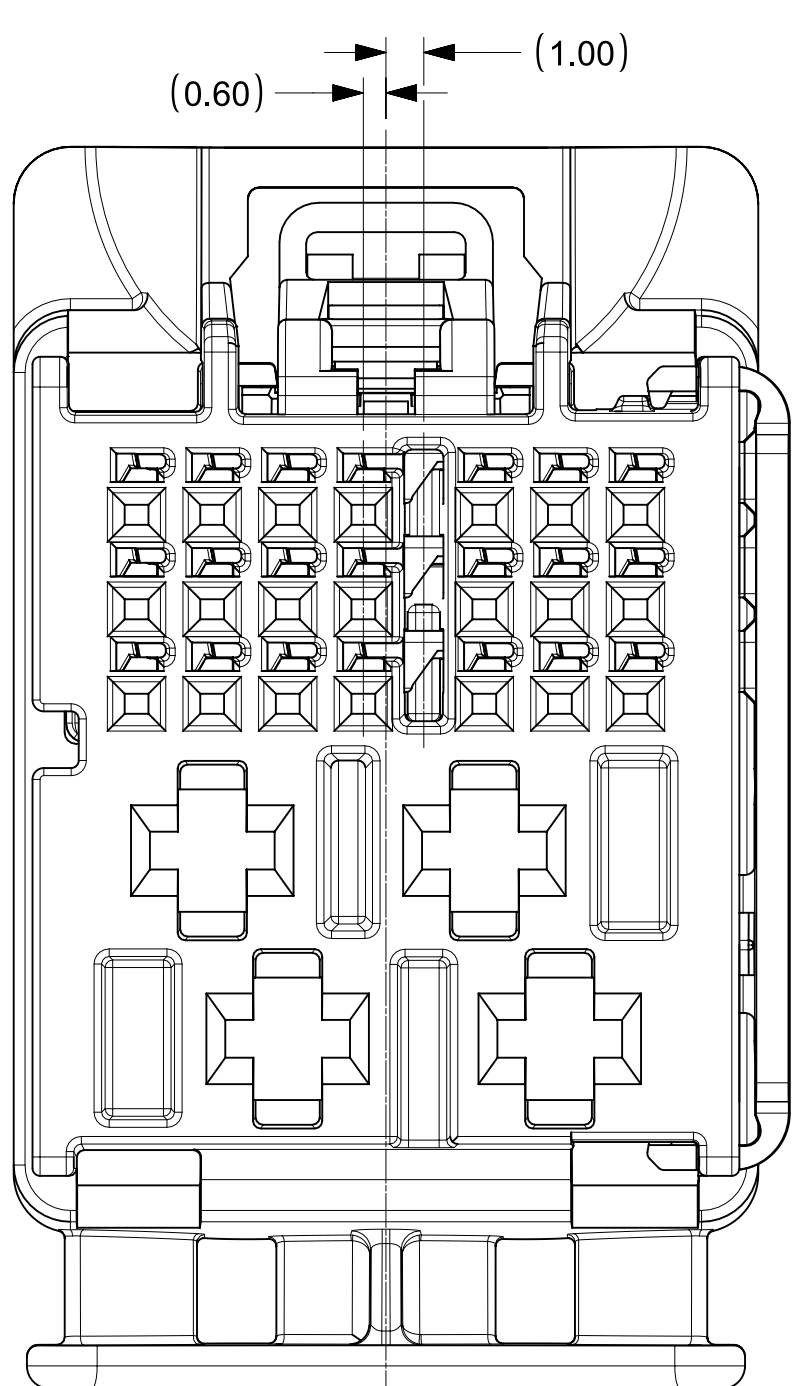


SCALE 2:1

## RIB OPTION A



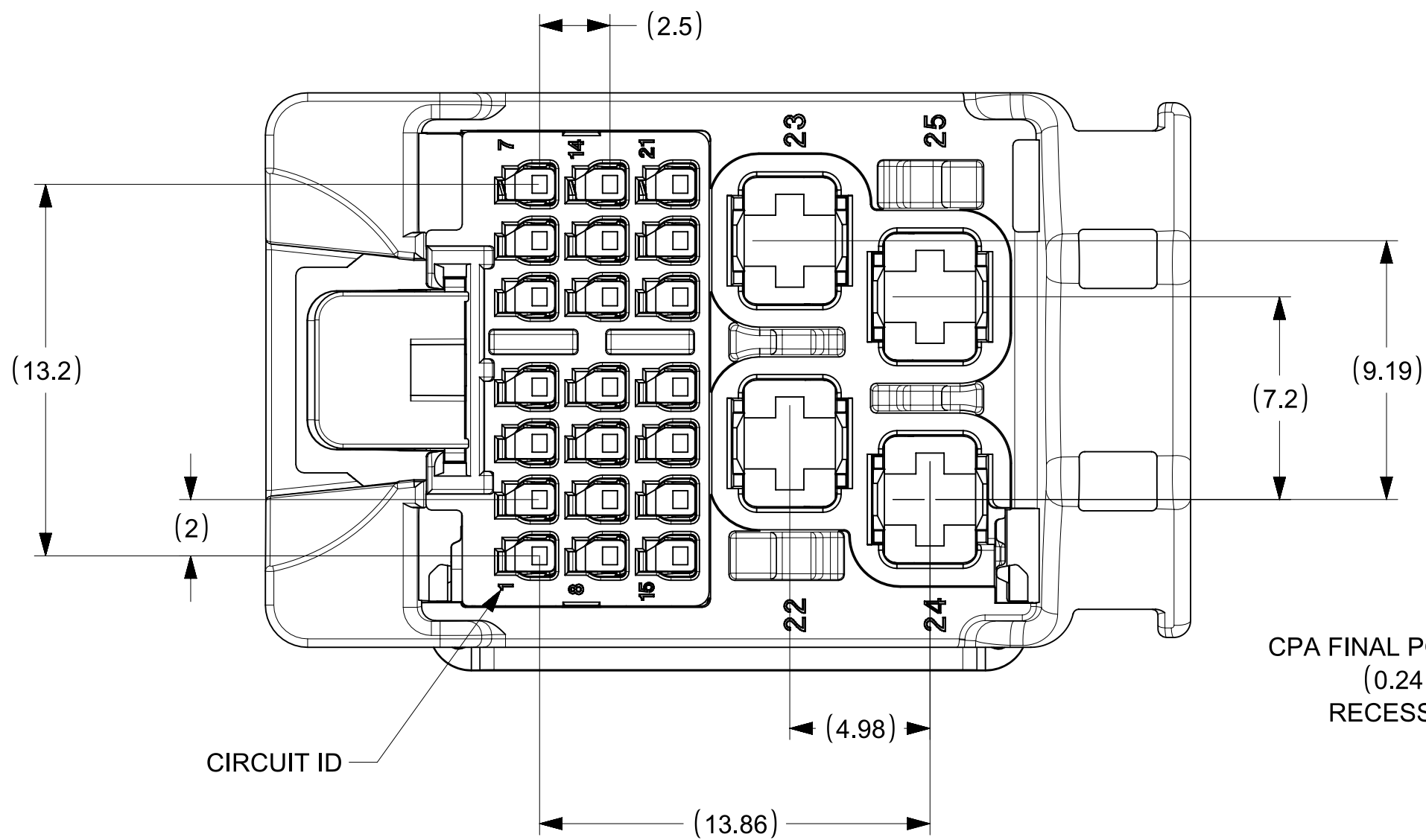
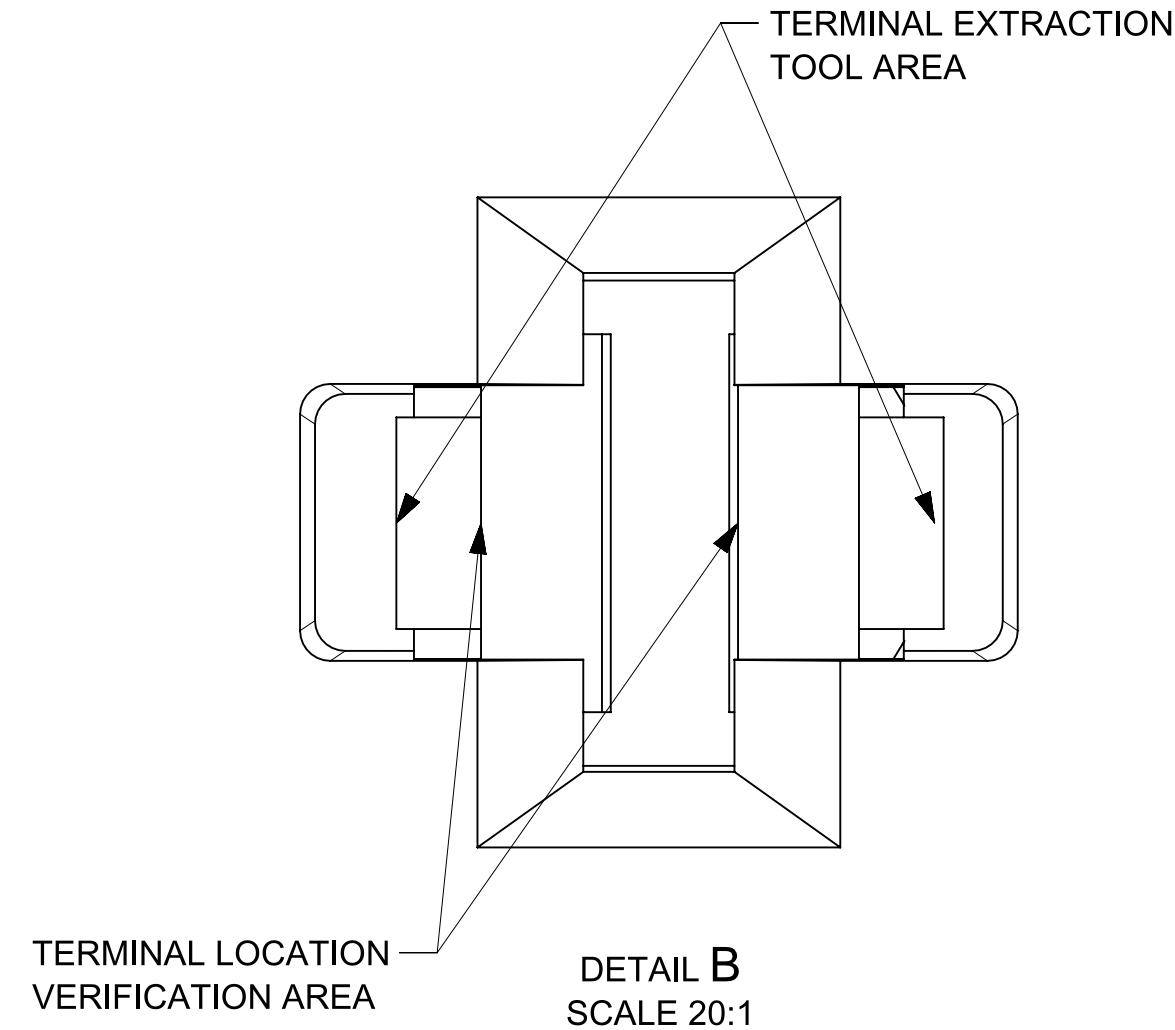
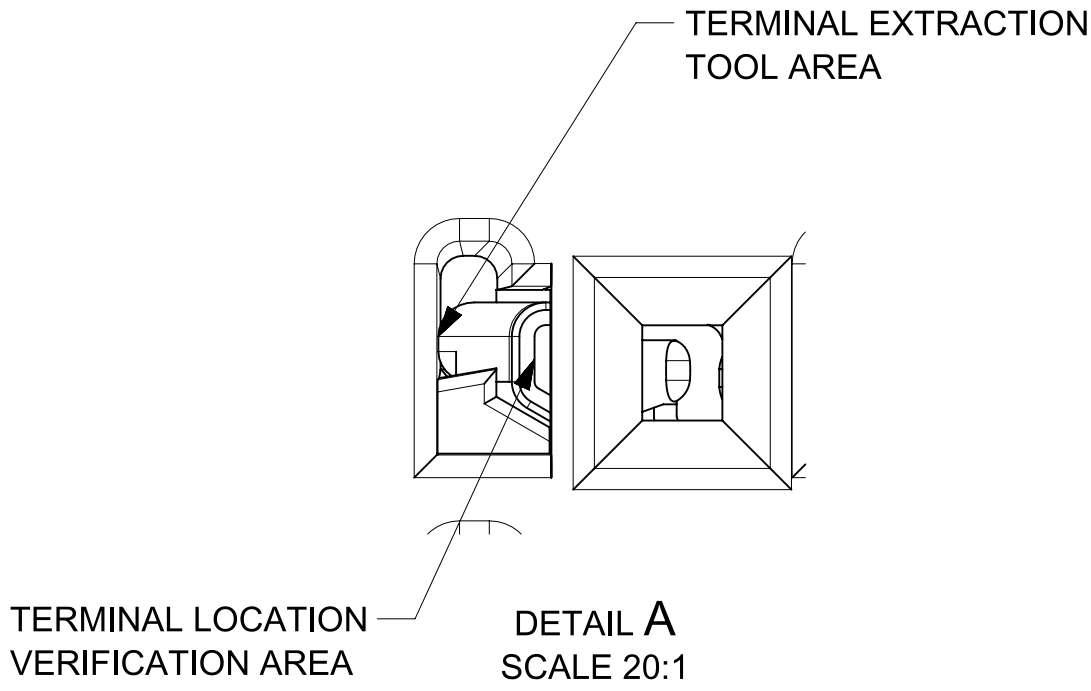
## RIB OPTION B



|                               |
|-------------------------------|
| INSPECTION BALLOON NUMBER LOG |
| PER DRAWING REVISION: A3      |
| LAST BALLOON NUMBER: 2        |
| ADDED BALLOON NUMBER: NONE    |
| DELETED BALLOON NUMBER: NONE  |

|                    |                                                                                                                                               |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|-----------------------|------------------|----------------------------------------------------------------------------------|--|----------------------------|------------------------|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                                                                    |  | CURRENT REV DESC: SEE REVISION SHEET |                       |                  | <div>molex</div> <div>25WAY STAK50H HYBRID ASSEMBLY<br/>CONNECTOR ASSEMBLY</div> |  |                            |                        |
|                    | mm                                                                                                                                            |  | 5:1                                                                                                                                      |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  | PHASE: Design Production<br>CO NO: CO-000000983<br>DRWN: Kun Du 2022-05-12<br>CHK'D: Ringo Hu 2022-07-27<br>APPR: Colin Zhang 2022-11-08 |  |                                      | PRODUCT SALES DRAWING |                  |                                                                                  |  |                            |                        |
|                    | ANGULAR TOL ± 3.0°                                                                                                                            |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | 4 PLACES ±                                                                                                                                    |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | 3 PLACES ±                                                                                                                                    |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | 2 PLACES ± 0.300                                                                                                                              |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
|                    | 1 PLACE ± 0.30                                                                                                                                |  | DOCUMENT NUMBER<br>1600270011                                                                                                            |  |                                      | DOC TYPE<br>PSD       | DOC PART<br>000  | REVISION<br>A4                                                                   |  |                            |                        |
|                    | 0 PLACES ± 0.30                                                                                                                               |  |                                                                                                                                          |  |                                      |                       |                  |                                                                                  |  |                            |                        |
| DIVISIONAL SYMBOLS | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |                                                                                                                                          |  | THIRD ANGLE PROJECTION               | DRAWING<br>D-SIZE     | SERIES<br>160027 | MATERIAL NUMBER                                                                  |  | CUSTOMER<br>GENERAL MARKET | SHEET NUMBER<br>1 OF 2 |





Ø(39.16) PASS THROUGH  
CLEARANCE 1MM PER SIDE

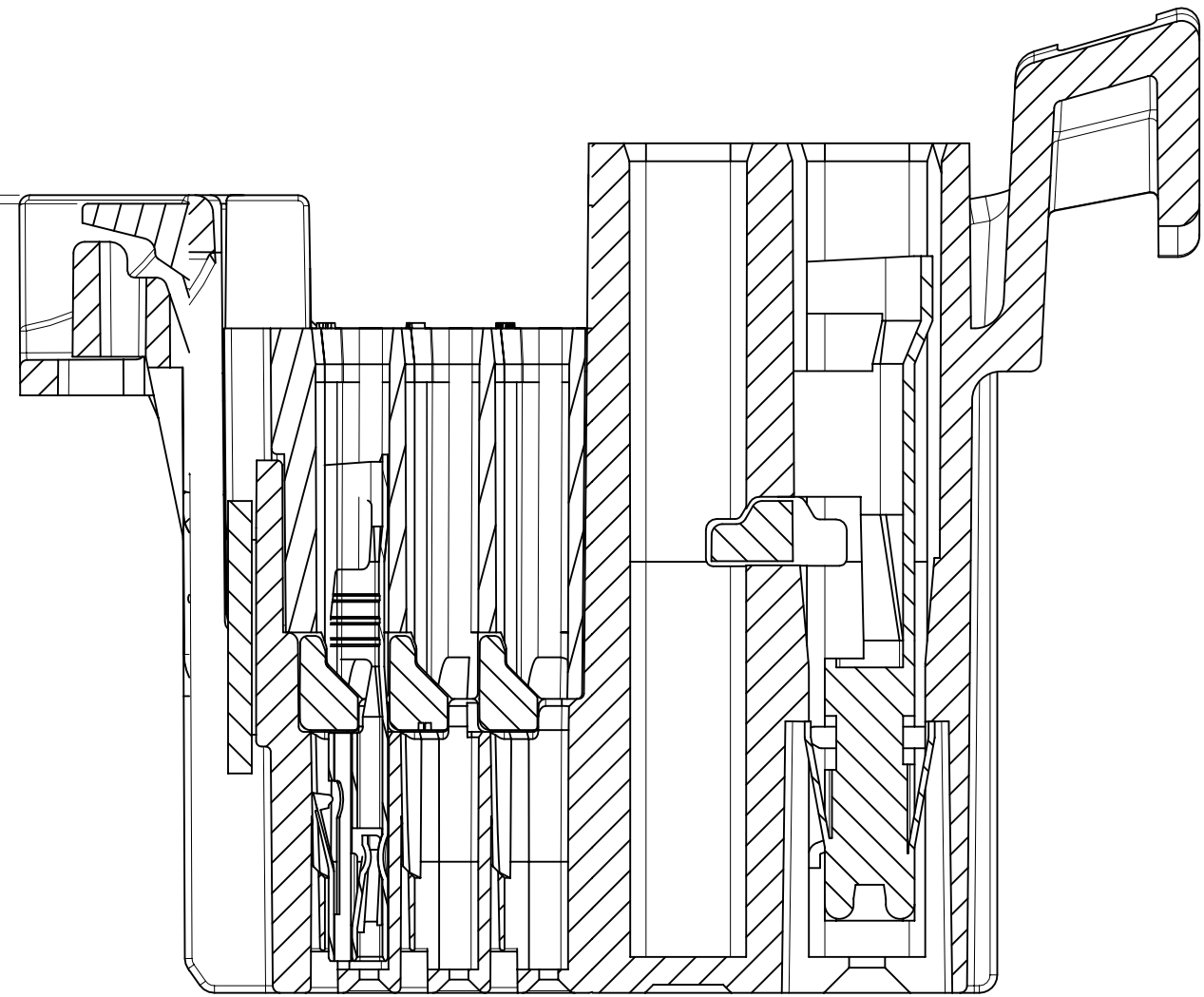
SEE DETAIL A

SEE DETAIL B

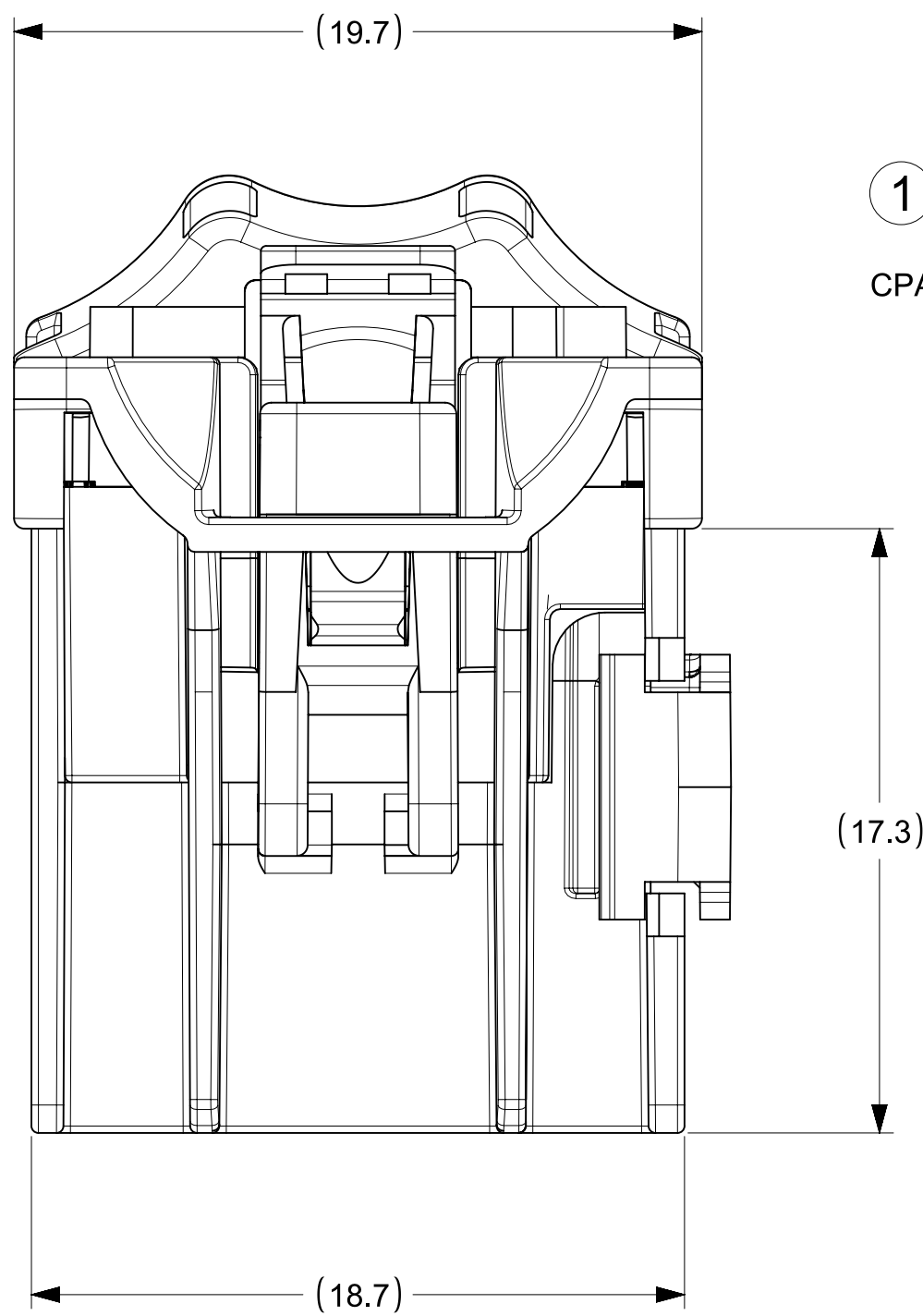
LASER ETCH  
DATE CODE AND  
ASSEMBLY LINE

YYDDD  
HHMMSS\_X

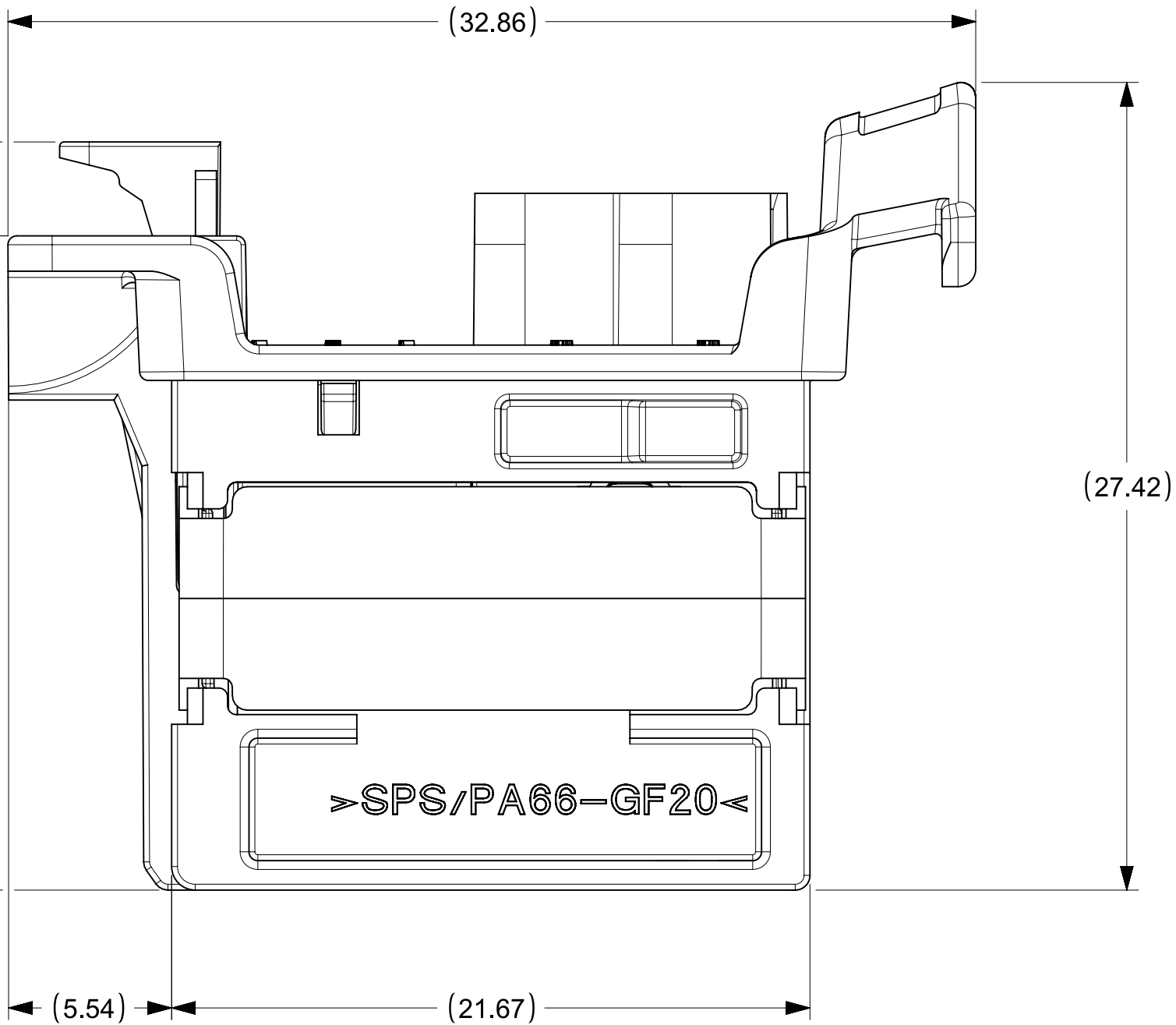
②  
1.30 ±0.30  
ISL IN OPEN  
POSITION



ISL IN CLOSED  
POSITION

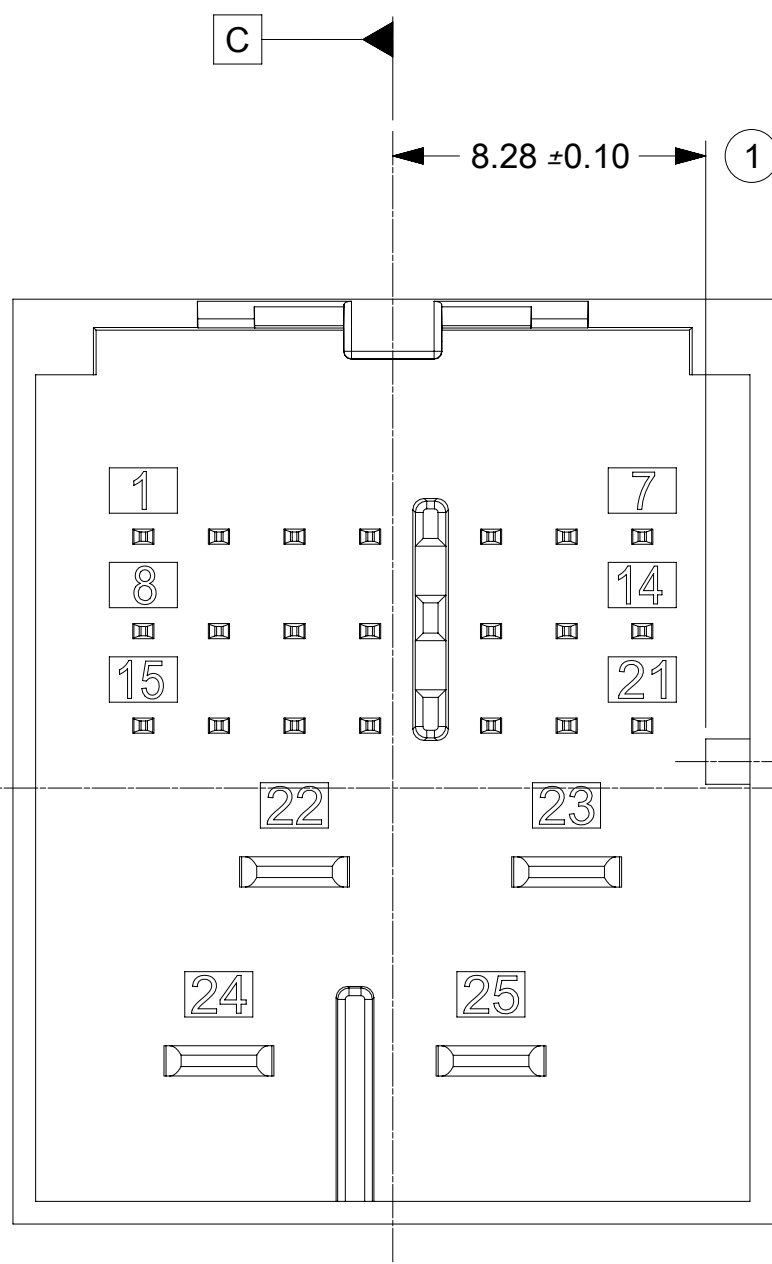


①  
CPA PRELOAD POSITION  
3.2 ±0.3

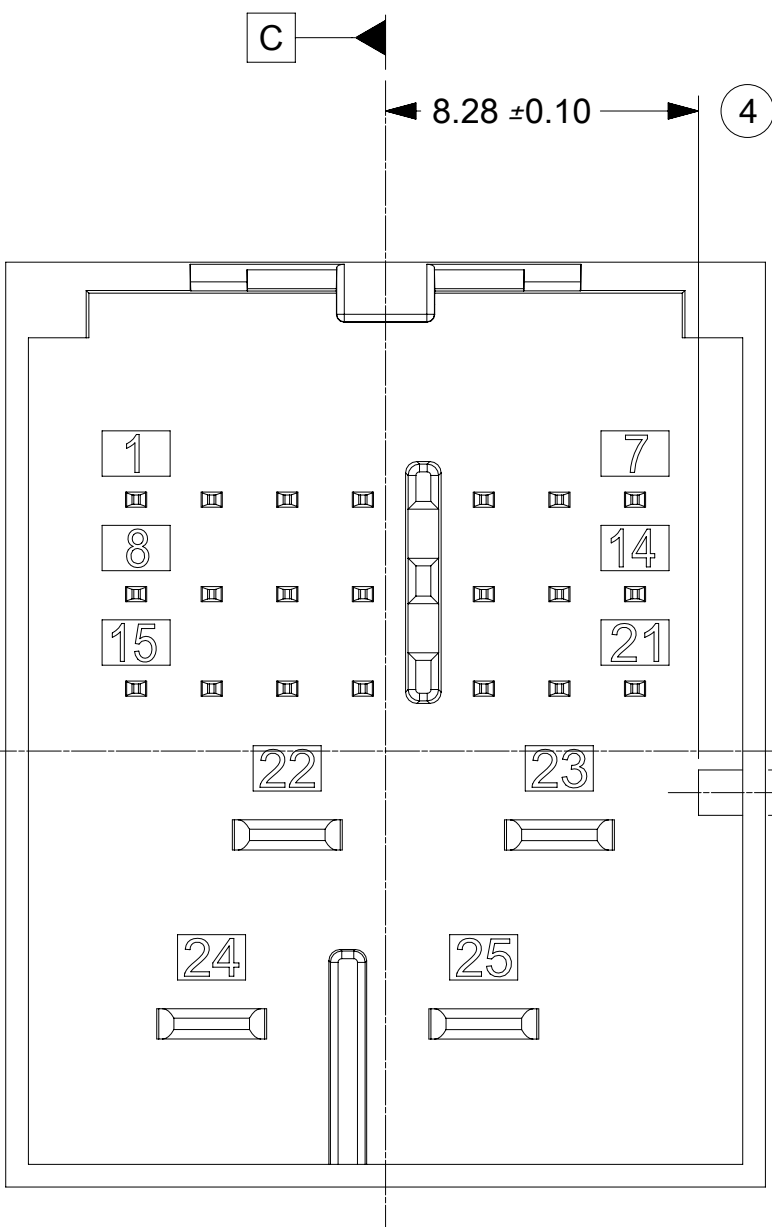


|                                                            |                                                                                                                                               |                        |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------|-----------------|--|-----------------------------------------------------|----------|----------------|--------------|
| FUNCTIONAL SYMBOLS                                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
|                                                            | DIMENSION UNITS                                                                                                                               |                        | SCALE                                                                                                                                    |         | CURRENT REV DESC: SEE REVISION SHEET |                 |  | <div>molex</div>                                    |          |                |              |
|                                                            | mm                                                                                                                                            | 5:1                    |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
|                                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        | PHASE: Design Production<br>CO NO: CO-000000983<br>DRWN: Kun Du 2022-05-12<br>CHK'D: Ringo Hu 2022-07-27<br>APPR: Colin Zhang 2022-11-08 |         |                                      |                 |  | 25WAY STAK50H HYBRID ASSEMBLY<br>CONNECTOR ASSEMBLY |          |                |              |
| ANGULAR TOL ± 3.0°                                         |                                                                                                                                               |                        |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
| 4 PLACES ±                                                 |                                                                                                                                               | PRODUCT SALES DRAWING  |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
| DIVISIONAL SYMBOLS                                         | 3 PLACES ±                                                                                                                                    |                        | INITIAL REVISION:<br>DRWN: RCARLSON<br>APPR:                                                                                             |         |                                      | DOCUMENT NUMBER |  | DOC TYPE                                            | DOC PART | REVISION       |              |
|                                                            | 2 PLACES ± 0.300                                                                                                                              |                        |                                                                                                                                          |         |                                      | 1600270011      |  | PSD                                                 | 000      | A4             |              |
|                                                            | 1 PLACE ± 0.30                                                                                                                                |                        |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
|                                                            | 0 PLACES ± 0.30                                                                                                                               |                        |                                                                                                                                          |         |                                      |                 |  |                                                     |          |                |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION |                                                                                                                                          | DRAWING |                                      | SERIES          |  | MATERIAL NUMBER                                     |          | CUSTOMER       | SHEET NUMBER |
|                                                            |                                                                                                                                               |                        |                                                                                                                                          | D-SIZE  |                                      | 160027          |  |                                                     |          | GENERAL MARKET | 2 OF 2       |

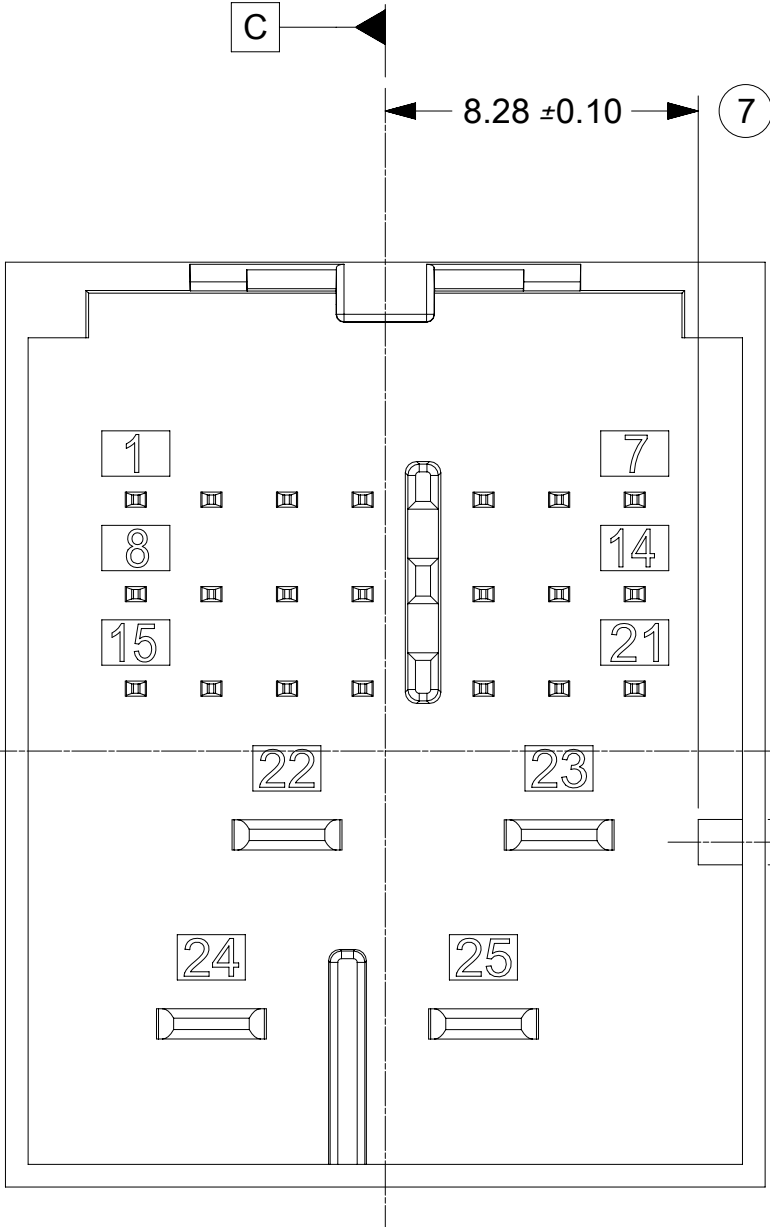




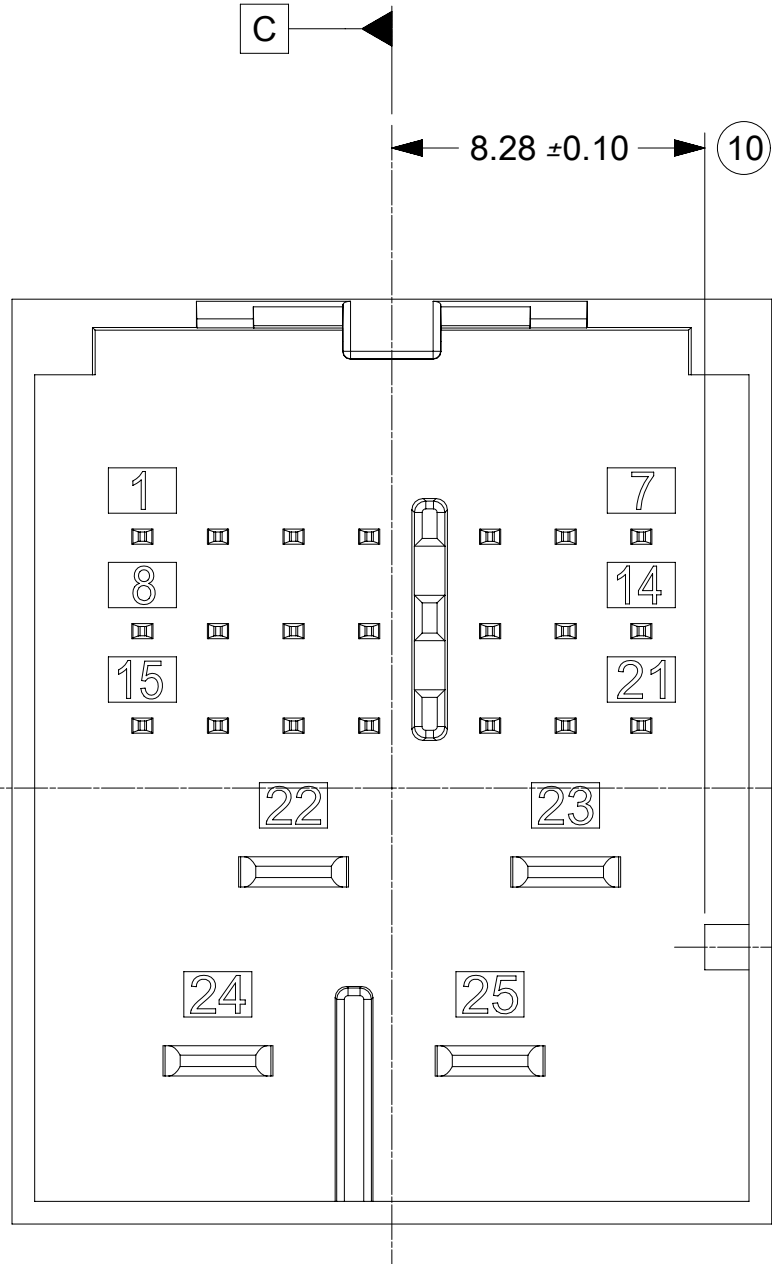
INTERFACE KEY 1 & KEY 5



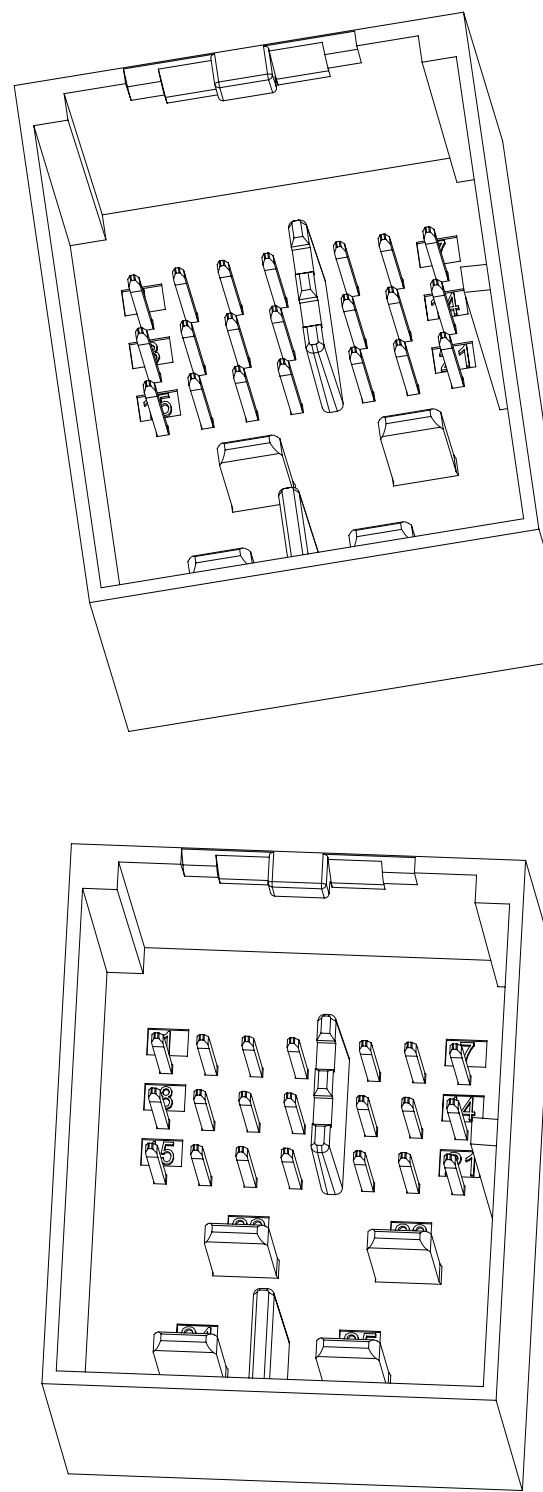
INTERFACE KEY 2 & KEY 6



INTERFACE KEY 3 & KEY 7



INTERFACE KEY 4 & KEY 8



| INTERFACE OPTIONS |            |                        |
|-------------------|------------|------------------------|
| KEY               | RIB OPTION | MATING CONNECTOR COLOR |
| 1                 | OPTION A   | LIGHT GREEN B          |
| 2                 | OPTION A   | STONE GRAY             |
| 3                 | OPTION A   | BLACK                  |
| 4                 | OPTION A   | DARK GRAY              |
| 5                 | OPTION B   | DARK PURPLE A          |
| 6                 | OPTION B   | TBD                    |
| 7                 | OPTION B   | TBD                    |
| 8                 | OPTION B   | LIGHT GRAY             |

NOTES:VALID UNLESS OTHERWISE SPECIFIED

- DESIGN - MATERIALS:
  - RESIN MATERIAL : PBT+GF30 OR SPS+GF30 OR EQUIVALENT
  - PIN/BLADE MATERIAL : ACCORDING TO USCAR DRAWING EWCAP-001 NOTE B2
  - PLATING: ACCORDING TO USCAR DRAWING EWCAP-001 TIN REFLOW WITH UNDERPLATE
  - PIN TIPS ACCORDING TO USCAR DRAWING EWCAP-001 (050-T001 & 280-T001)
  - DEVIATION TO EWCAP-001 ACCEPTABLE IF PERFORMANCE (ELECTRICAL/MECHANICAL) IS SHOWN TO BE EQUAL OR BETTER AS REQUIRED BY VALIDATION TESTING.
  - DEVIATION TO TIN PLATING THICKNESS AS NECESSARY TO MEET MATING FORCE AND ALL VALIDATION REQUIREMENTS
- DRAWING - GEOMETRY:
  - ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
  - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
  - GENERAL TOLERANCES:

LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING

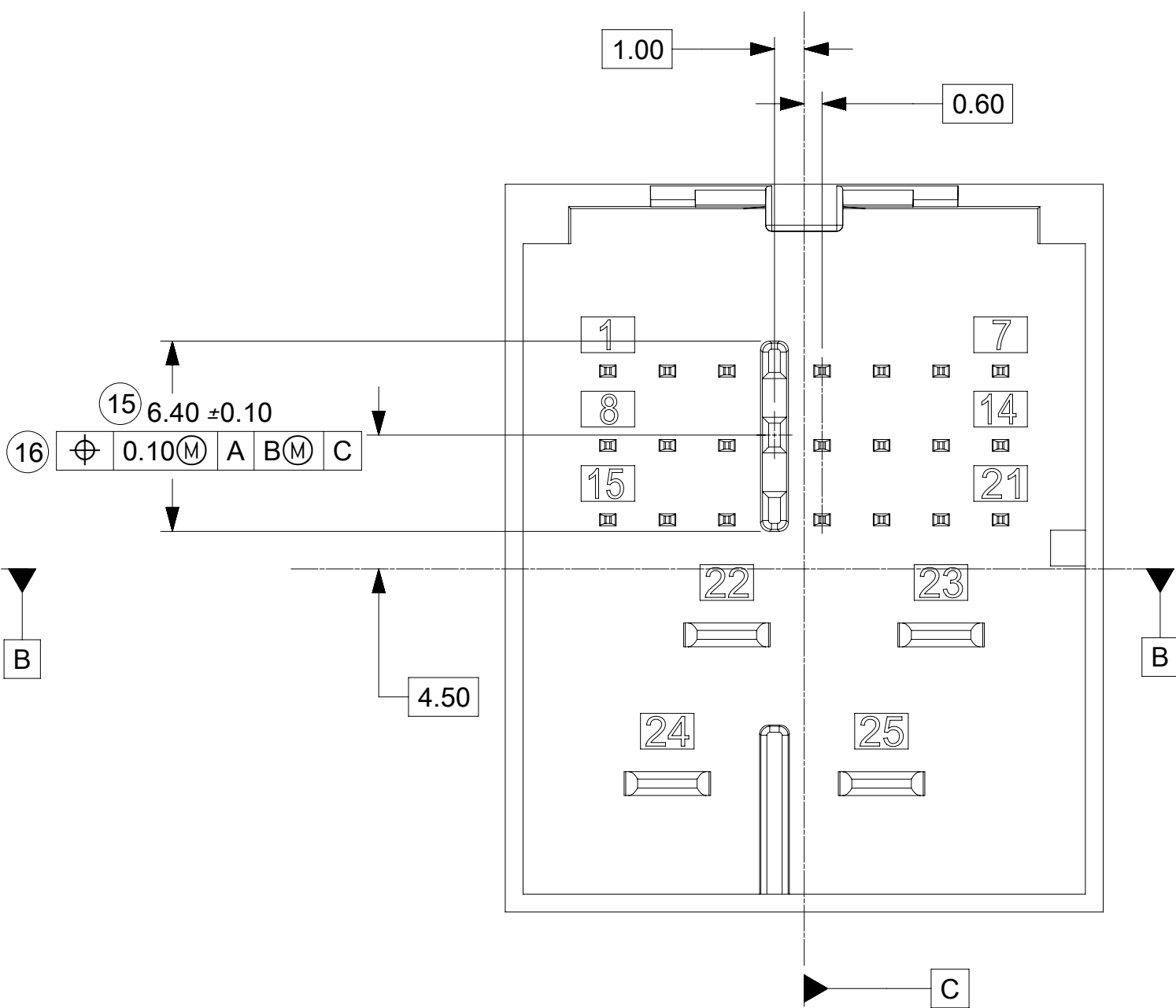
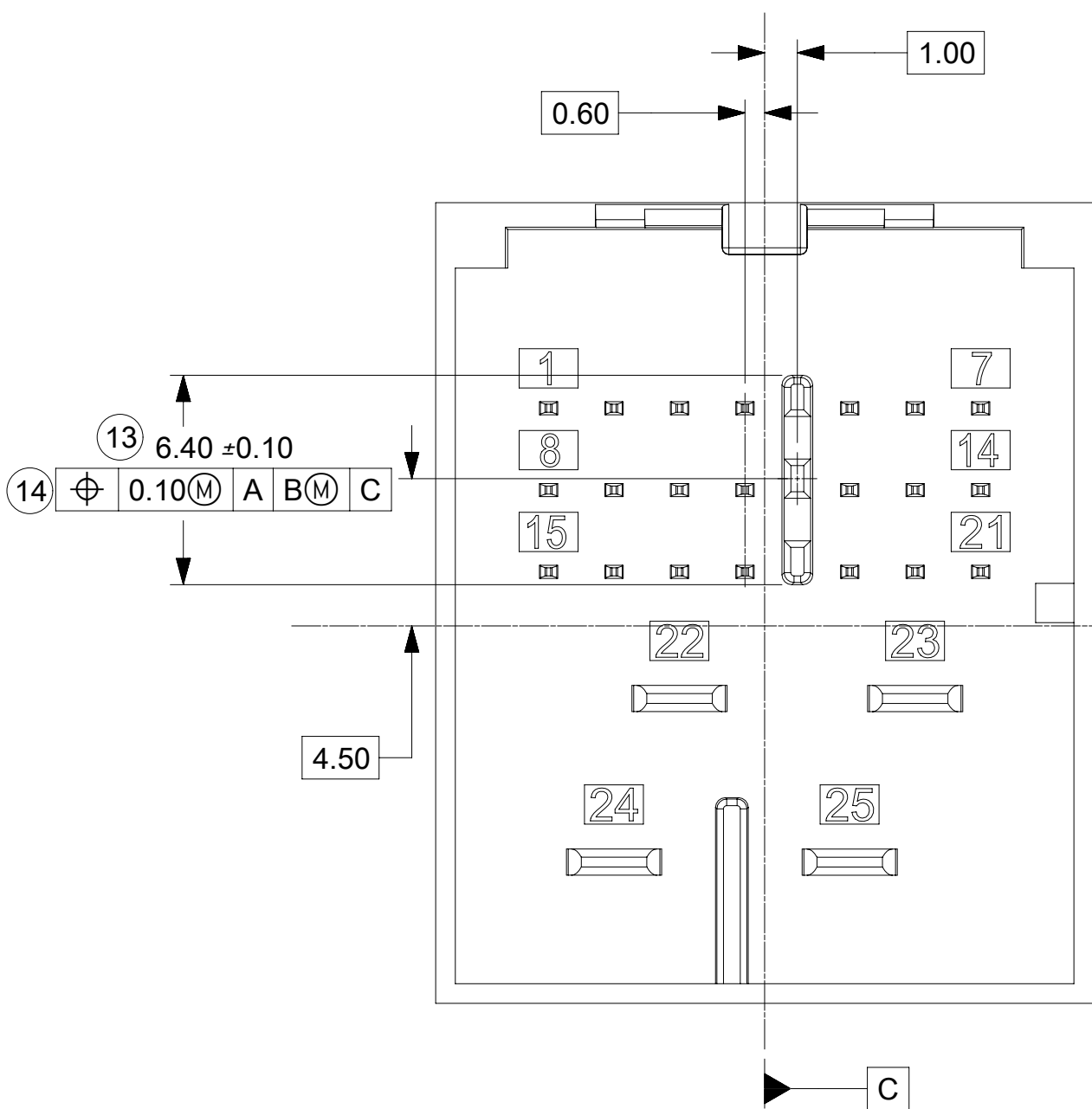
ANGULAR : ±3°
  - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - CORNERS SHOW AS SHARP TO BE R 0.2 MAX.
  - LETTERS SHALL BE 0.2 MAX RAISED IN 0.25 MAX RECESSED PAD.

THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- DESIGN - MANUFACTURING:
  - DRAFT TO BE WITHIN TOLERANCE.

|    |                                                                                                                              |
|----|------------------------------------------------------------------------------------------------------------------------------|
| C1 | UPDATED BASIC DIMENSIONS IN SECTION B-B ON SHEET 2<br>ECN: 649575 11/19/2020 YPENG47                                         |
| C  | ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT<br>ADDED NOTE 1.E.1<br>CHANGE RECORD: 626144<br>JPATE 10/22/2019 |
| B1 | ADDED BALLOONS<br>JCONDON 08/02/2018                                                                                         |
| B  | REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE                                                                                |
| A2 | ADDED CIRCUIT IDs                                                                                                            |
| A1 | ADDED NOTE 1e, MKOWALSKY 7/7/2017                                                                                            |
| 8  | GEOMETRY UPDATED ,<br>SPEMMARAJU 02/18/2016                                                                                  |
| 7  | UUAU2016-1146<br>SAP # 10681629<br>JCONDON 03/25/2015                                                                        |

RIB OPTION A

RIB OPTION B

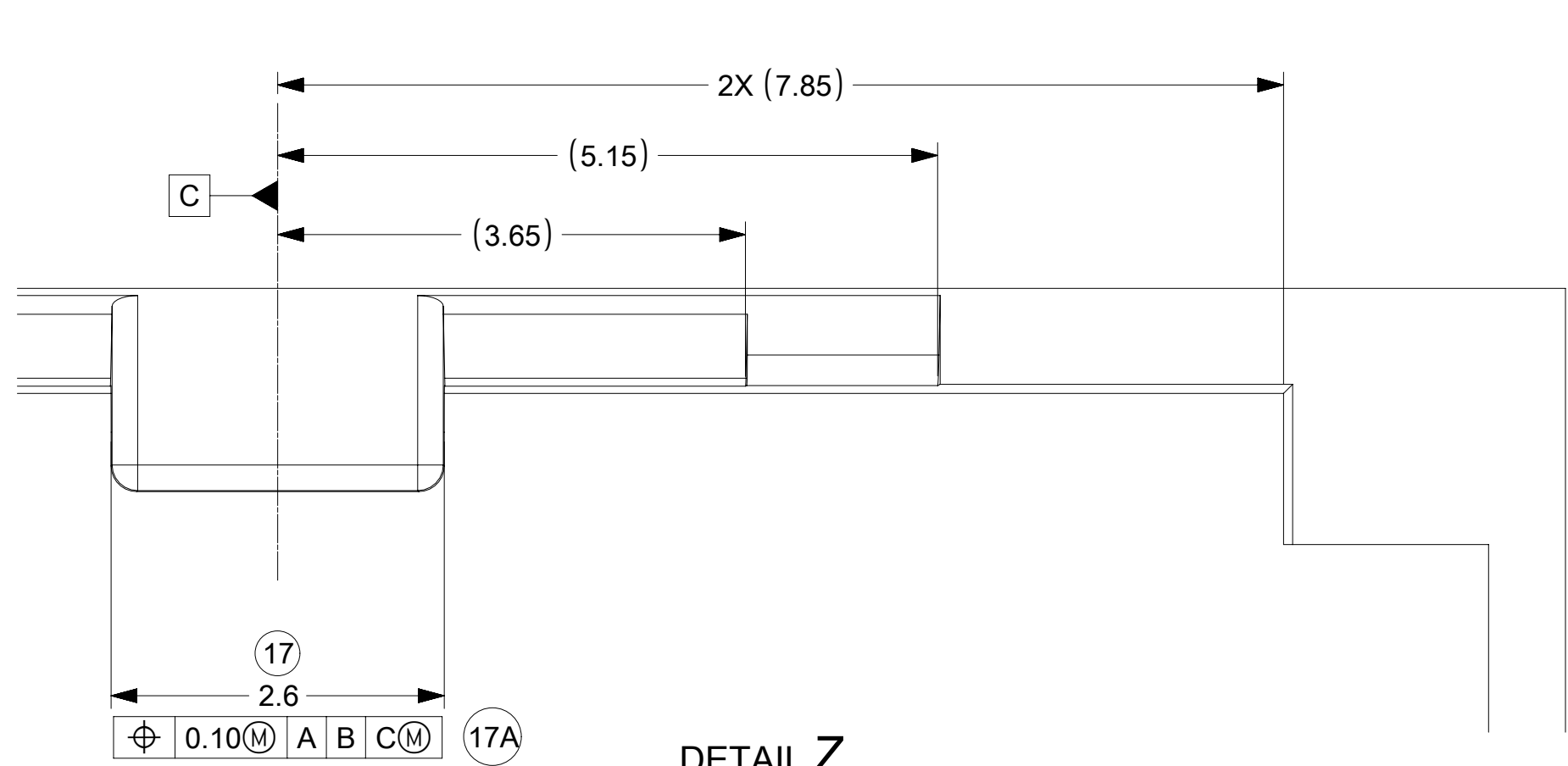


| INSPECTION BALLOON NUMBER LOG |      |
|-------------------------------|------|
| PER DRAWING REVISION:         | C1   |
| LAST BALLOON NUMBER:          | 63   |
| ADDED BALLOON NUMBER:         | NONE |
| DELETED BALLOON NUMBER:       | NONE |

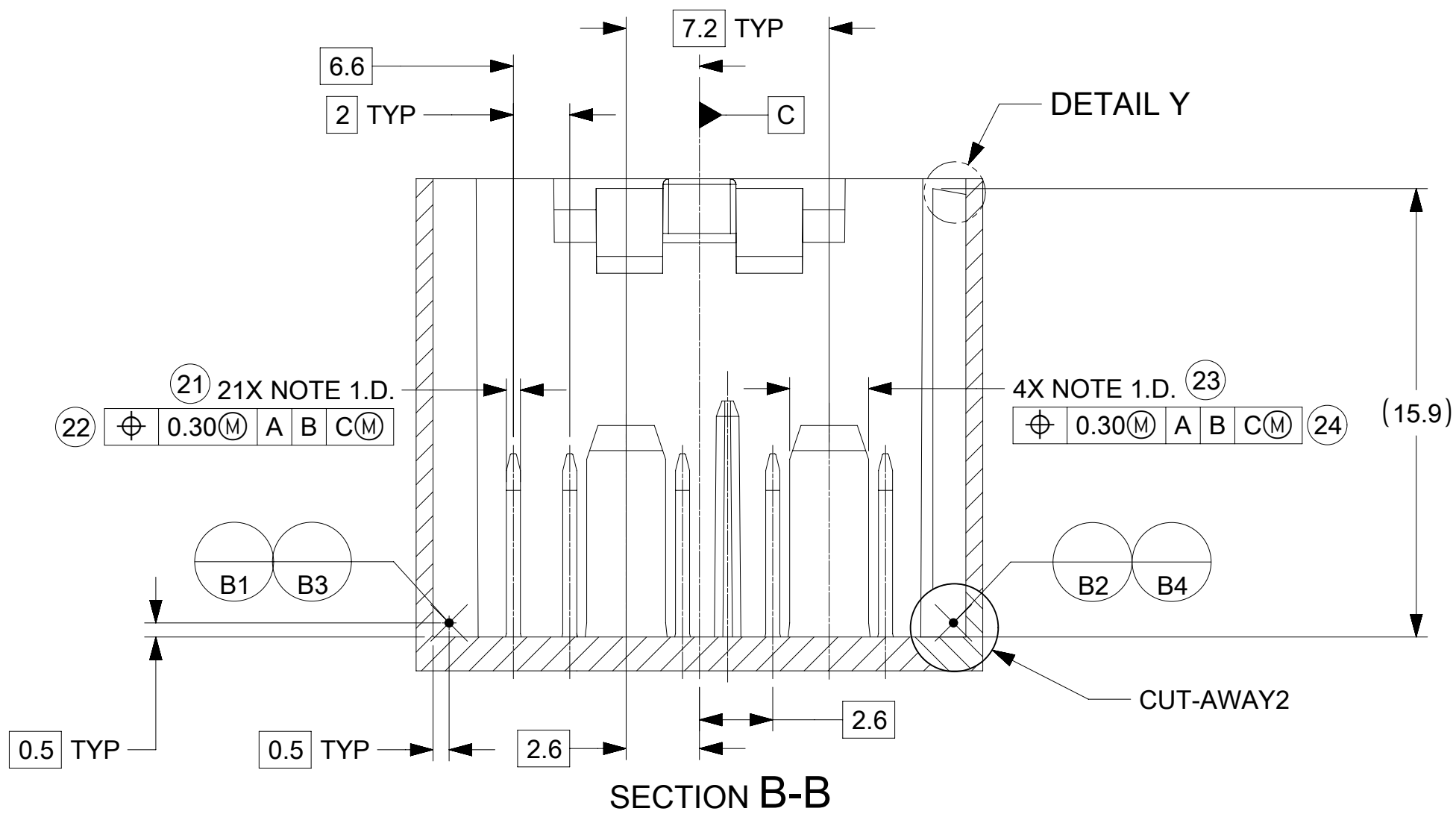
|                                                      |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------|-----------------------------------------------------------------|--|--------------------------|--|--------------|-----------------|--|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
|                                                      | DIMENSION UNITS                                                                                                                               |                                   | SCALE |         | CURRENT REV DESC: UPDATED BASIC DIMENSIONS IN SECTION B-B ON SHEET 2                                                                                                                     |        |                                  | <div>molex</div> <div>25WAY STAK50H<br/>INTERFACE DRAWING</div> |  |                          |  |              |                 |  |  |
|                                                      | mm                                                                                                                                            |                                   | 5:1   |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
|                                                      |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| <div><div>F</div><div>A</div></div> = 0              | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                   |       |         | EC NO: 649575<br>DRWN: YPENG47 2020/11/19<br>CHK'D: JRUTTER 2020/11/23<br>APPR: MVANSLAMBROU 2020/11/25<br>INITIAL REVISION:<br>DRWN: SPEMMARAJU 2015/11/03<br>APPR: KDEKOSKI 2016/03/24 |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| <div><div>F</div><div>C</div></div> = 0              |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| <div><div>F</div><div>P</div></div> = 0              |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| DIVISIONAL SYMBOLS                                   | ANGULAR TOL                                                                                                                                   |                                   | ±     |         |                                                                                                                                                                                          |        |                                  | °                                                               |  | PRODUCT CUSTOMER DRAWING |  |              |                 |  |  |
|                                                      |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
|                                                      | 4 PLACES                                                                                                                                      |                                   | ±     |         |                                                                                                                                                                                          |        | DOCUMENT NUMBER<br>SD-160027-002 |                                                                 |  |                          |  |              |                 |  |  |
|                                                      | 3 PLACES                                                                                                                                      |                                   | ±     |         |                                                                                                                                                                                          |        |                                  |                                                                 |  | DOC TYPE<br>PSD          |  |              |                 |  |  |
|                                                      | 2 PLACES                                                                                                                                      |                                   | ±     |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              | DOC PART<br>000 |  |  |
|                                                      | 1 PLACE                                                                                                                                       |                                   | ±     |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| 0 PLACES                                             |                                                                                                                                               | ±                                 |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
|                                                      |                                                                                                                                               |                                   |       |         |                                                                                                                                                                                          |        |                                  |                                                                 |  |                          |  |              |                 |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION            |       | DRAWING |                                                                                                                                                                                          | SERIES |                                  | MATERIAL NUMBER                                                 |  | CUSTOMER                 |  | SHEET NUMBER |                 |  |  |
|                                                      |                                                                                                                                               | <div><div></div><div></div></div> |       | D-SIZE  |                                                                                                                                                                                          | 160027 |                                  |                                                                 |  | GENERAL MARKET           |  | 1 OF 3       |                 |  |  |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/11/25 23:16:39 |
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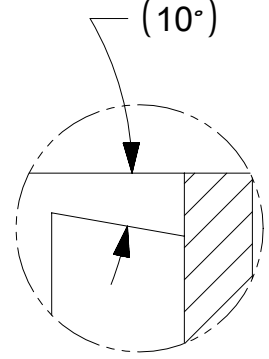




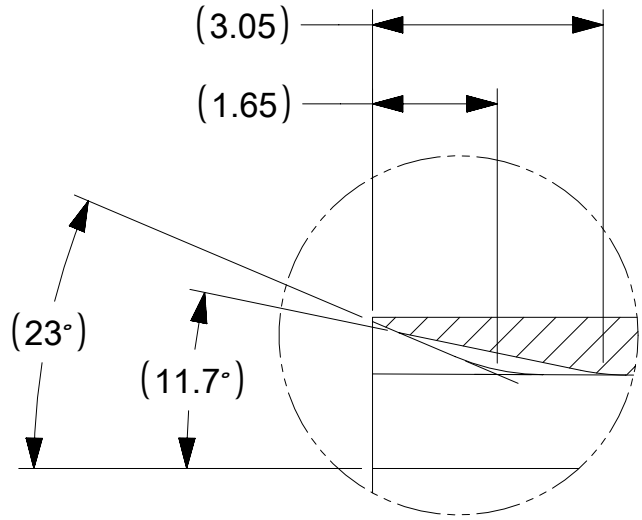
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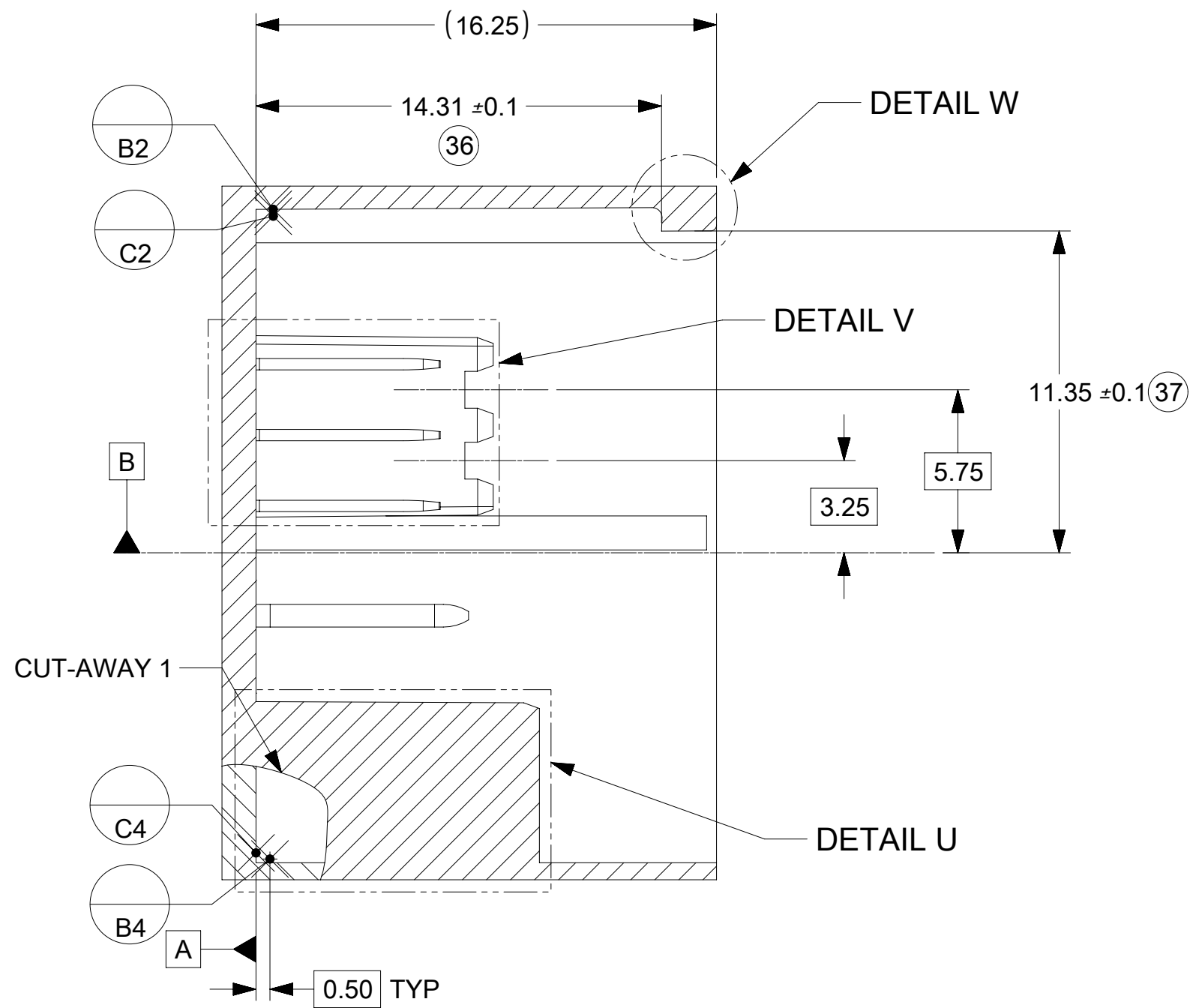
SECTION B-B



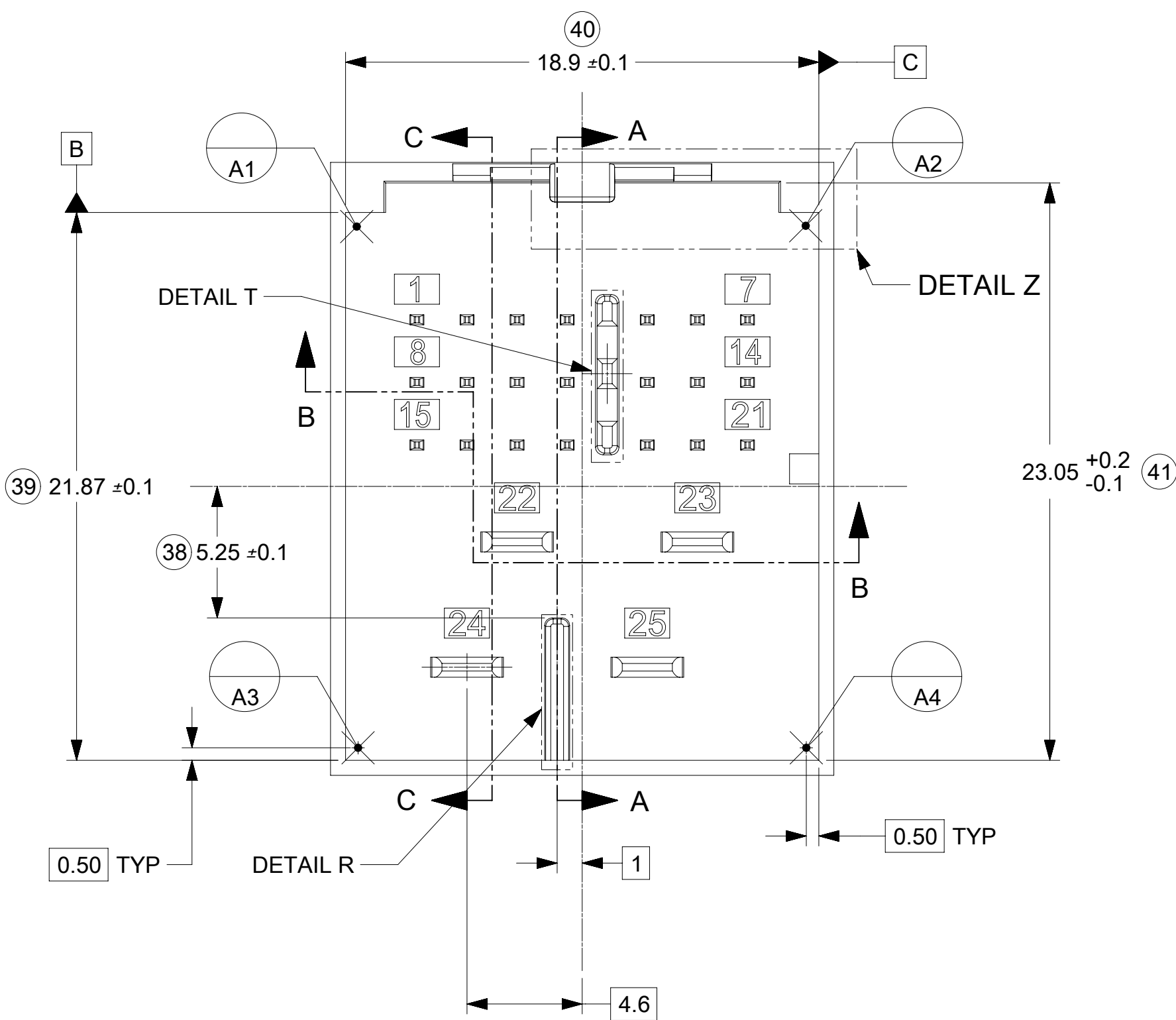
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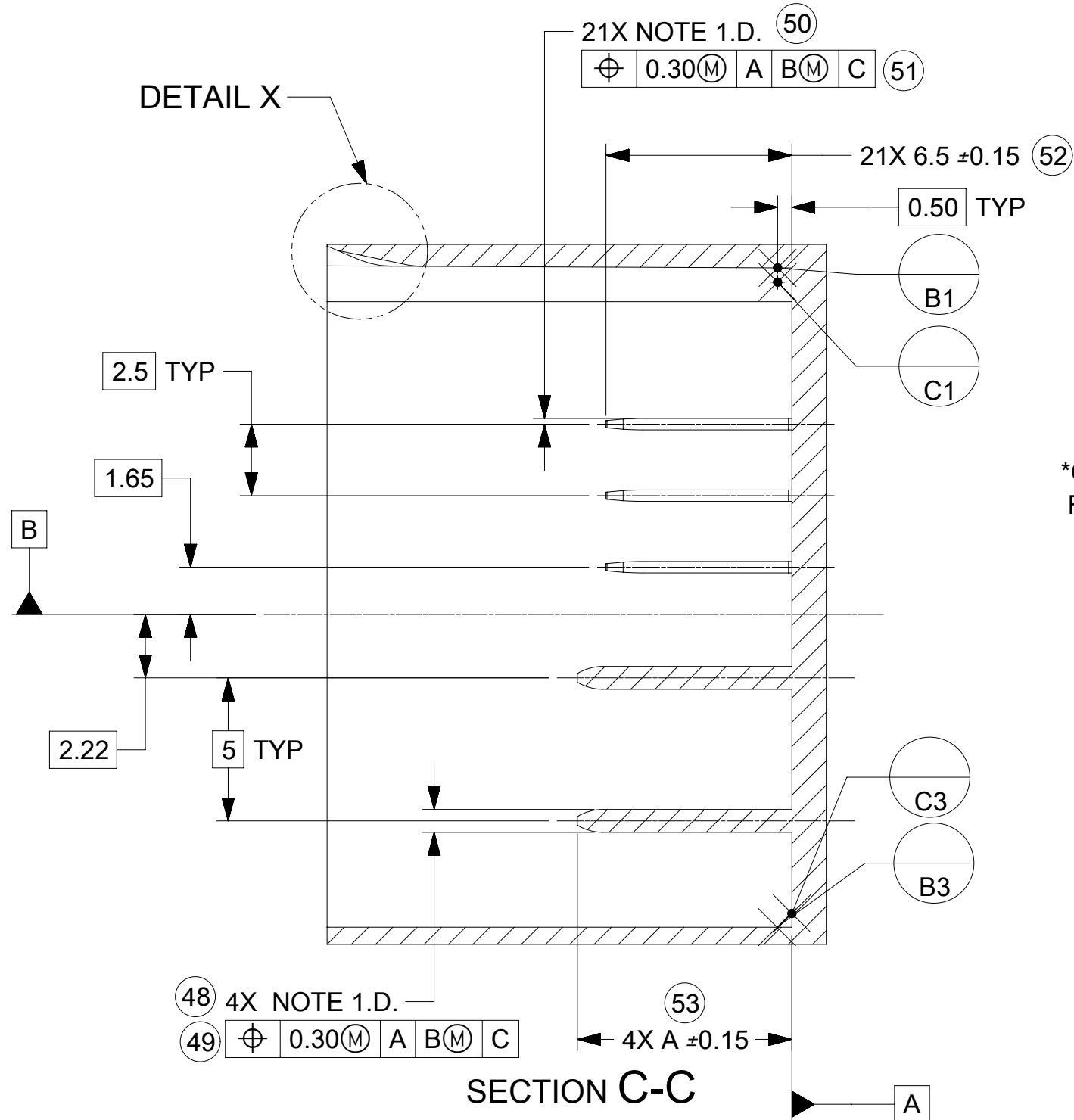
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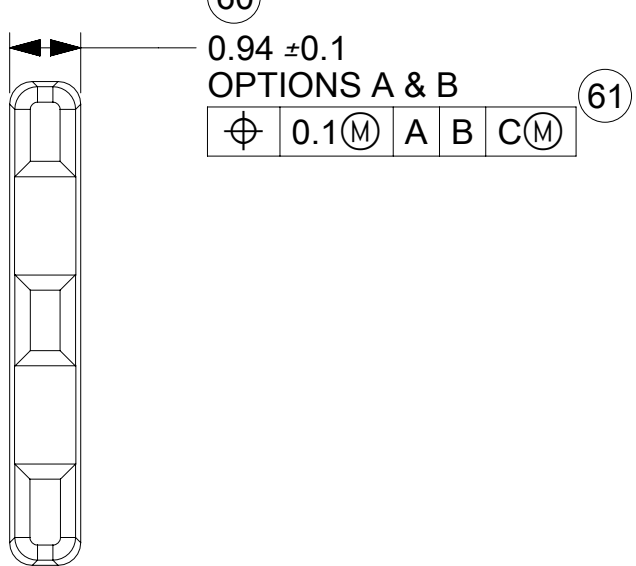
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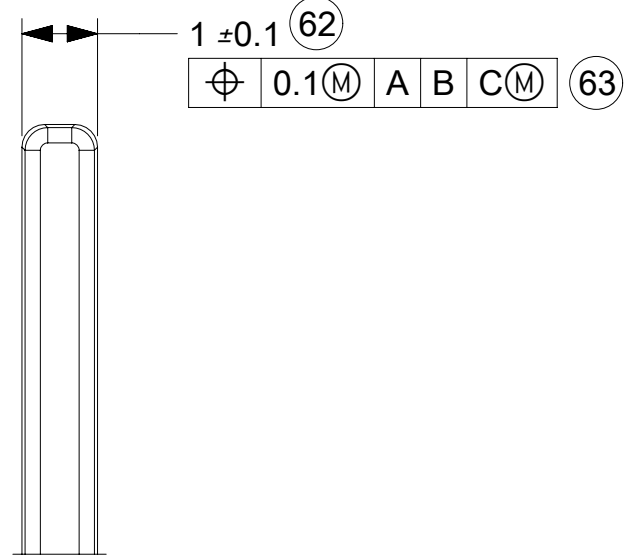
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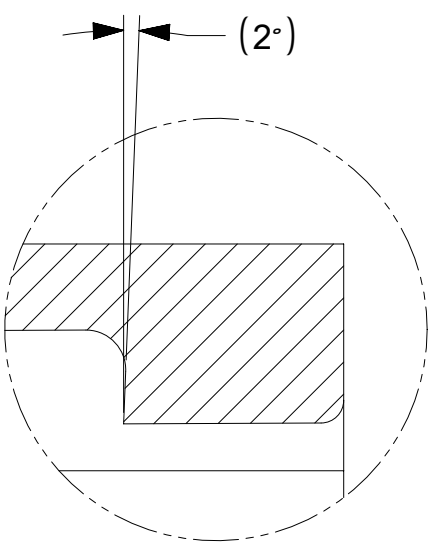
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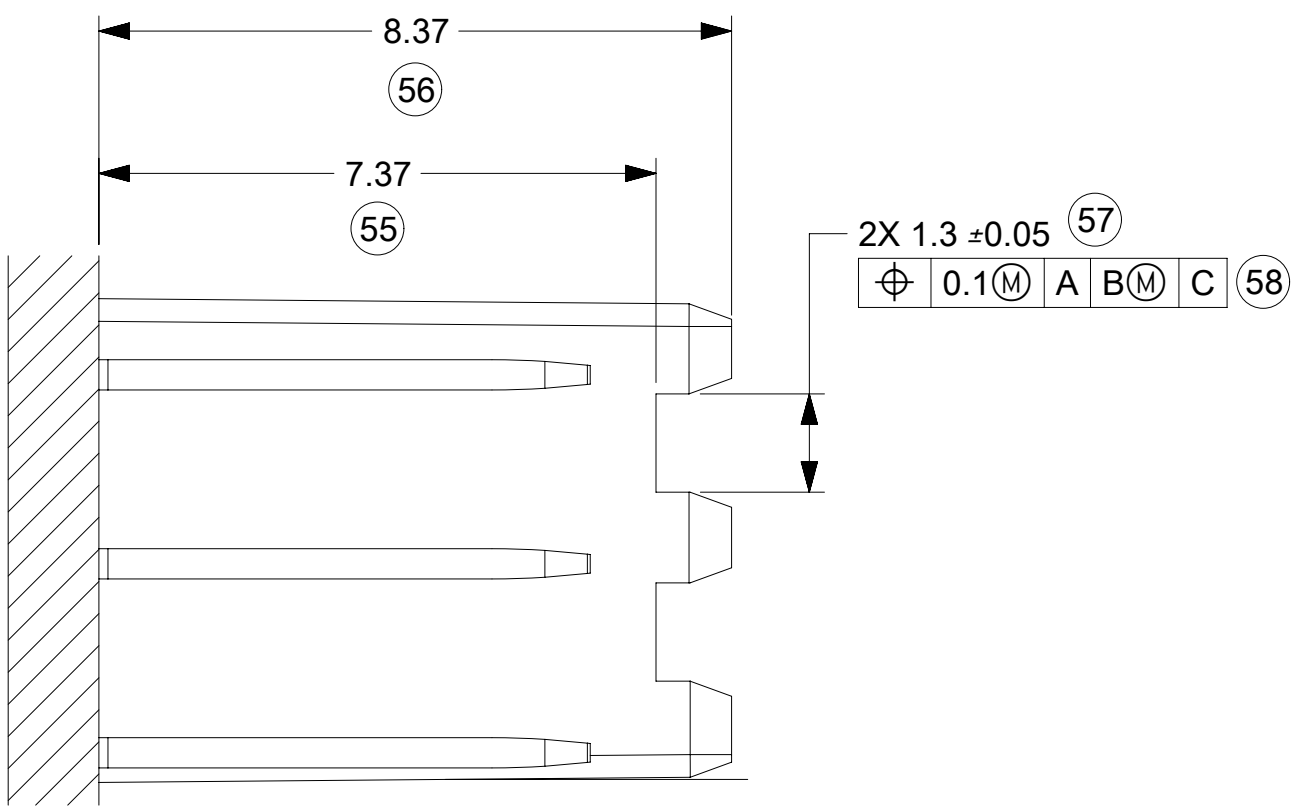
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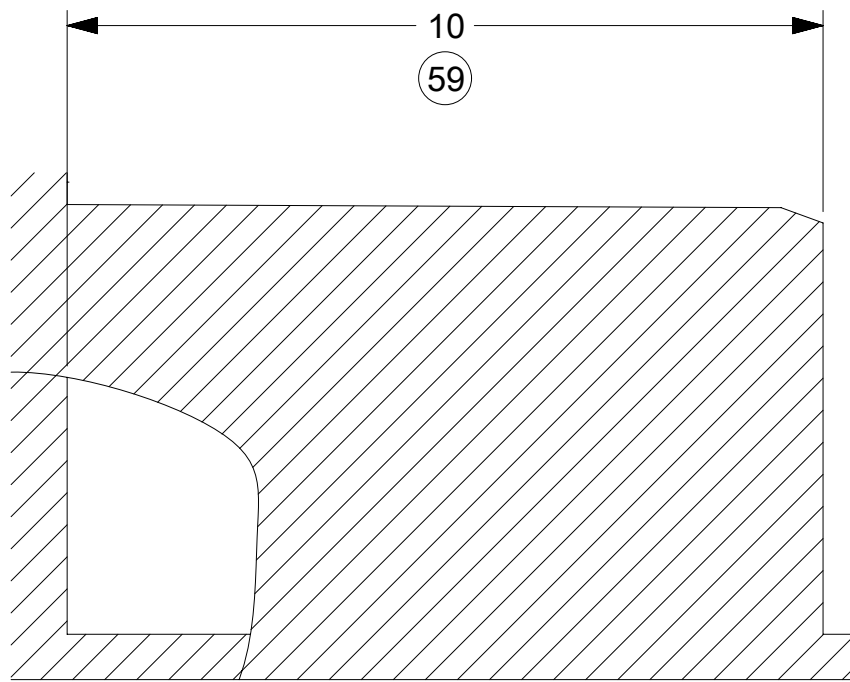
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DETAIL W  
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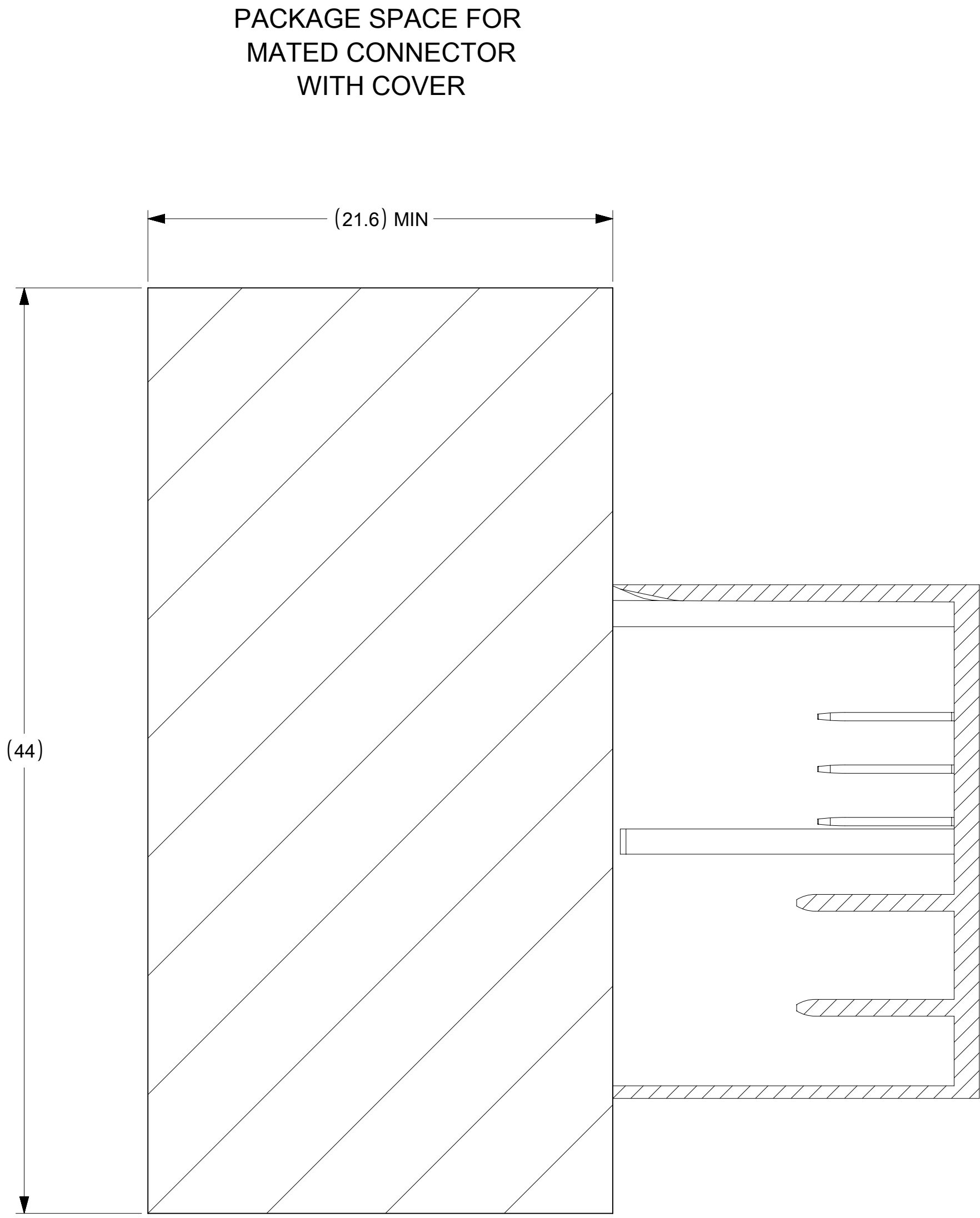
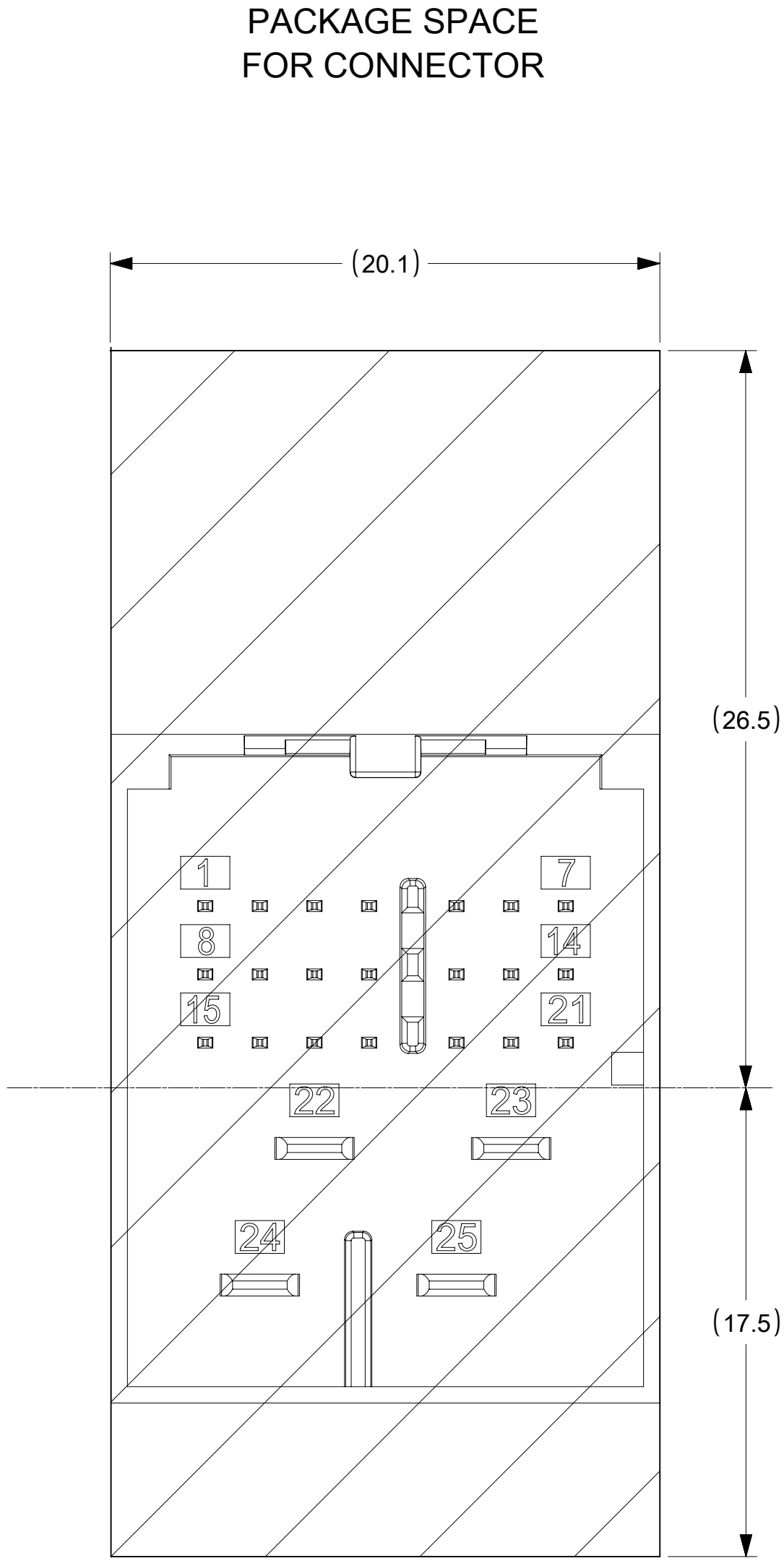
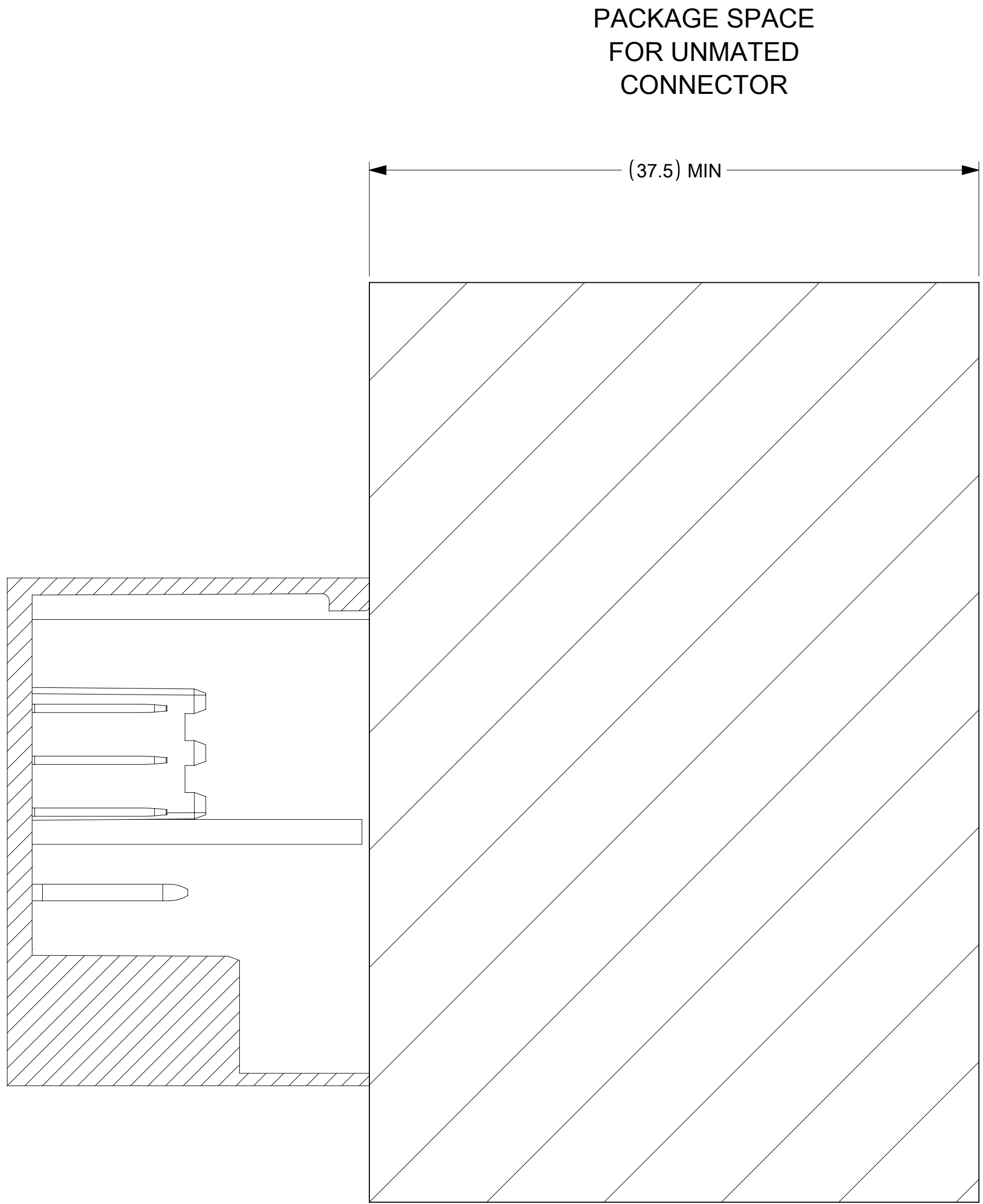


DETAIL V  
SCALE 10:1



|                                                                                                                                                             |  |                                                                                                                                               |  |               |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|--|-------------------------------------------------------------------------|--|------------|--|-----------------|--|----------------|--|----------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                                                                                                                          |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |               |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
| <div><div>F</div><div>= 0</div></div> <div><div>F</div><div>= 0</div></div> <div><div>F</div><div>P</div><div>= 0</div></div> <div>DIVISIONAL SYMBOLS</div> |  | DIMENSION UNITS                                                                                                                               |  | SCALE         |  | CURRENT REV DESC: UPDATED BASIC DIMENSIONS<br>IN SECTION B-B ON SHEET 2 |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | mm                                                                                                                                            |  | 5:1           |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |               |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | ANGULAR TOL                                                                                                                                   |  | ± °           |  | 25WAY STAK50H<br>INTERFACE DRAWING                                      |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | 4 PLACES                                                                                                                                      |  | ±             |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | 3 PLACES                                                                                                                                      |  | ±             |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
| SEE NOTES                                                                                                                                                   |  | 2 PLACES                                                                                                                                      |  | ±             |  | PRODUCT CUSTOMER DRAWING                                                |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | 1 PLACE                                                                                                                                       |  | ±             |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | 0 PLACES                                                                                                                                      |  | ±             |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  |                                                                                                                                               |  | EC NO: 649575 |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  |                                                                                                                                               |  | DRWN: YPENG47 |  |                                                                         |  | 2020/11/19 |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | CHK'D: JRUTTER                                                                                                                                |  |               |  | 2020/11/23                                                              |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | APPR: MVANSLAMBROU                                                                                                                            |  |               |  | 2020/11/25                                                              |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | INITIAL REVISION:                                                                                                                             |  |               |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | DRWN: SPEMMARAJU                                                                                                                              |  |               |  | 2015/11/03                                                              |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  | APPR: KDEKOSAKI                                                                                                                               |  |               |  | 2016/03/24                                                              |  |            |  |                 |  |                |  |          |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                  |  | THIRD ANGLE PROJECTION                                                                                                                        |  |               |  | DRAWING                                                                 |  | SERIES     |  | DOCUMENT NUMBER |  | DOC TYPE       |  | DOC PART |  | REVISION     |  |
|                                                                                                                                                             |  | <div><div></div><div></div></div>                                                                                                             |  |               |  | D-SIZE                                                                  |  | 160027     |  | SD-160027-002   |  | PSD            |  | 000      |  | C1           |  |
|                                                                                                                                                             |  |                                                                                                                                               |  |               |  |                                                                         |  |            |  |                 |  |                |  |          |  |              |  |
|                                                                                                                                                             |  |                                                                                                                                               |  |               |  |                                                                         |  |            |  | MATERIAL NUMBER |  | CUSTOMER       |  |          |  | SHEET NUMBER |  |
|                                                                                                                                                             |  |                                                                                                                                               |  |               |  |                                                                         |  |            |  |                 |  | GENERAL MARKET |  |          |  | 2 OF 3       |  |





|                                                                                                                                                                                   |                                                                                                                                               |  |    |       |                        |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|----|-------|------------------------|--------|-------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------|-----------------|-----|----------|-----|----------|----|----------|
| FUNCTIONAL SYMBOLS<br><div><div><div>FA</div><div>= 0</div></div><div><div>FC</div><div>= 0</div></div><div><div>FP</div><div>= 0</div></div></div> <div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |    |       |                        |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | DIMENSION UNITS                                                                                                                               |  | mm | SCALE |                        | 1:1    |                                                                               | CURRENT REV DESC: UPDATED BASIC DIMENSIONS IN SECTION B-B ON SHEET 2 |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |    |       |                        |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | ANGULAR TOL                                                                                                                                   |  |    |       | ±                      |        | °                                                                             |                                                                      | EC NO: 649575<br>DRWN: YPENG47 2020/11/19<br>CHK'D: JRUTTER 2020/11/23<br>APPR: MVANSLAMBROU 2020/11/25 |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | 4 PLACES                                                                                                                                      |  | ±  |       | °                      |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | 3 PLACES                                                                                                                                      |  | ±  |       | °                      |        | INITIAL REVISION:<br>DRWN: SPEMMARAJU 2015/11/03<br>APPR: KDEKOSKI 2016/03/24 |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | 2 PLACES                                                                                                                                      |  | ±  |       | °                      |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | 1 PLACE                                                                                                                                       |  | ±  |       | °                      |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | 0 PLACES                                                                                                                                      |  | ±  |       | °                      |        |                                                                               |                                                                      |                                                                                                         |               |                 |     |          |     |          |    |          |
|                                                                                                                                                                                   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |    |       | THIRD ANGLE PROJECTION |        | DRAWING                                                                       |                                                                      | SERIES                                                                                                  |               | DOCUMENT NUMBER |     | DOC TYPE |     | DOC PART |    | REVISION |
|                                                                                                                                                                                   |                                                                                                                                               |  |    |       |                        | D-SIZE |                                                                               | 160027                                                               |                                                                                                         | SD-160027-002 |                 | PSD |          | 000 |          | C1 |          |

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|--------------------------|--|-------------------|--|----------|--|----------|--|
| 25WAY STAK50H            |  | INTERFACE DRAWING |  |          |  |          |  |
| PRODUCT CUSTOMER DRAWING |  |                   |  |          |  |          |  |
| DOCUMENT NUMBER          |  | DOC TYPE          |  | DOC PART |  | REVISION |  |
| SD-160027-002            |  | PSD               |  | 000      |  | C1       |  |

molex

25WAY STAK50H  
INTERFACE DRAWING

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-160027-002   | PSD      | 000      | C1       |

|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|                 | GENERAL MARKET | 3 OF 3       |

|                 |    |              |            |          |
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| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/11/25 | 23:16:39 |
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